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 Yu, Yang
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 Matthew, Abraham V.
 Ledford, Brooke L.
 Woessner, Jeffrey P.
 Haas, William David
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 Kricker, Maja
 Slader, Ted
 Davis, Keith R.
 Allen, Keith
 25 Hoffman, Neil
 Hurban, Patrick

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10 <220>
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 40 <211> 1282
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 <212> DNA
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 <210> 22
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 <212> DNA
 <213> Arabidopsis thaliana

55
 <220>
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5 <222> (1)...(1278)
 <223> n = A,T,C or G

<400> 22

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<211> 1276

<212> DNA

35 <213> Arabidopsis thaliana

<220>

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40 <223> n = A,T,C or G

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<210> 24

15 <211> 1270

<212> DNA

<213> Arabidopsis thaliana

<400> 24

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<211> 1267

45 <212> DNA

<213> Arabidopsis thaliana

<220>

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50 <222> (1)...(1267)

<223> n = A,T,C or G

<400> 25

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<211> 1261

10 <212> DNA

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<220>

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<400> 27

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50 <223> n = A,T,C or G

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5 <211> 1249
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<400> 30

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35 <213> Arabidopsis thaliana

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40 <223> n = A,T,C or G

<400> 31

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<223> n = A,T,C or G

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50 <213> Arabidopsis thaliana

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35 <223> n = A,T,C or G

<400> 34

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<210> 35

<211> 1230

10 <212> DNA

<213> Arabidopsis thaliana

<400> 35

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<210> 36

<211> 1228

<212> DNA

<213> Arabidopsis thaliana

40

<220>

<221> misc_feature

<222> (1) ... (1228)

<223> n = A,T,C or G

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<210> 37

<211> 1226

<212> DNA

20 <213> Arabidopsis thaliana

<400> 37

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	tcttacttgt	aatcggttac	atcgttggtt	tcaccgtctt	caatctctta	gctattggat	360
	caatcgctta	tagtggtgtt	caaggattct	atggtagacc	tgtgaaattg	aactctgcag	420
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45 <210> 38

<211> 1220

<212> DNA

<213> Arabidopsis thaliana

50 <400> 38

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55	tgaataataa	tcataagagg	tggtgaagaa	aaaaagaaga	agaagaagac	aaaacatgag	300
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10 gcaaacttga aaacgtccaa tgggaagtat gtgacaatac tgtatagcca gatcacacca 720
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   <222> (1)...(1212)
   <223> n = A,T,C or G

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   ttatacttgt attcctctta tgtttgggtc actcgtcaga gtcacttcga ccaactgttg 180
35  catgtgatcc agcaaacggg ttaaccggga cgctccggtt ctgtcgggcc aatgtaccga 240
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   gacttcaggg tactgctgcc ggtaaccgcc ttaaagtcgc cgcattgtgc nnnnattaca 720
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45  cncnnnnnnn tttagaggac acatacaacg tgccattcaa atcatgtgt tacgaaggaa 840
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5 <213> Arabidopsis thaliana

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<211> 1205

<212> DNA

<213> Arabidopsis thaliana

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<223> n = A,T,C or G

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15

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<210> 43
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55

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<210> 46
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30  <213> Arabidopsis thaliana

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35  <223> n = A,T,C or G

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40  cctccaatgg cttcttctgc atttgctttt ccttcttaca taataaccaa aggaggactt    180
   tcaactgatt cttgtaaadc aacttctttg tcttcttcta gatctttggg tacagatcct    240
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   gcttcacttg cagagaaggg tgaatattat tcaaacagac caccaactcc attacttgac    360
   actattaact acccaatcca catgaaaaat ctttctgtca aggaactgaa acaactttct    420
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5 tcactgtttg aagaactcgg tctttactat attggtccag ttgatgggca caacatagat 1140
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<210> 47

<211> 1191

10 <212> DNA

<213> Arabidopsis thaliana

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15 <222> (1)...(1191)

<223> n = A,T,C or G

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	cttctccaa	gctttgagct	tccaaagcat	gtatttgtgc	tttaaggagc	acaacgagcc	360
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	ctggctgagg	cgttagagga	gtaccagtta	ccctgggcgc	tgccaagac	ctgagtaatg	1140
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40 <210> 48

<211> 1191

<212> DNA

<213> Arabidopsis thaliana

45 <400> 48

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	caaaacacat	cggaaacgtc	ctttgcgtta	acccaaaact	tcaaaagtag	taataaagaa	180
	aataaaacaa	taactctctt	ttaggattag	aaattattct	aattacatag	aatagatccc	240
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	cctccggttg	cactttcaca	tcggctcgta	aaccgataat	ttcgaaaaac	cgaacaatgt	360
	accacgaaat	gtctatttgc	caccattcaa	gtccttgtct	agccgatgac	tcgaacgcat	420
	gatgattggt	gtgccaaactc	tctccaaatg	aaaataccga	taaccaccaa	acattacgag	480
	aagtgtcatt	ggtcttccaa	gttcgagtg	cccaaatatg	gcagagtga	tttatgaggc	540
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	caccaaggta	gaagagaaag	aaaccaatc	ctaaaatgtg	aaatagcact	gttttctgaa	660

5	gaaacctata	aaaccattgc	ctcttcaaat	cctccacggt	tgctcttctt	ccacactttg	720
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 <212> DNA
 <213> Arabidopsis thaliana

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 <222> (1)...(1189)
 <223> n = A,T,C or G

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	tattttcatgg	aaaatctcag	ttcatcaaag	gccccaaaaa	gaacaagtgc	taaagctgaa	180
	ccactacctt	taggcgatta	agctgctgca	agtggctgga	gagctttaag	aggggtcatg	240
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	tctgtgtcct	ggtttatctt	ctccaggctt	tgaccagtgt	ggtatgagag	gtaaccgttt	360
	agggttgctt	tgtgatgcag	catttcattt	gcctgaatgt	caatgtcggg	ttggccacct	420
	tgagctccac	caagcggctg	atggatcatt	atccttgagt	ttggtagact	gtatcttttt	480
	cctttnnnnc	cagcactaag	cagaaaagct	cccatactag	cagctagacc	aacacaaaca	540
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	caagcatgag	ccattttctt	gttatcaatt	tggggatgaa	tgaaacccta	gttcctgtca	1140
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 50 <213> Arabidopsis thaliana

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55	ataagacaac	ttatatcttc	ccattaccag	ctctagttaa	acgcaccaca	atcacgacgg	180
	atgtttccat	tgctgtctatt	cttaactcca	acacggccaa	gtttgggtcat	ggctatcaca	240

5	aaagcgcggt	taaaggccgt	agagtttgag	gccaagcat	taacggtggg	cctagagcga	300
	ccatccgtga	agagaacttg	atcggagggtg	aagagacctt	tgcttggtg	aagattcttg	360
	aagtaagtgt	tgtcaaacgt	cttgggcgtg	actgggtcca	tggtgattgc	aattcttggg	420
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	cttgacgcgg	ttgataccaa	accatcgaac	ctaccaagtt	caacttcata	ggacggtcct	720
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	tccgggaaaga	cagagattat	gaggcaaaga	cctatgagta	gaacaatatc	gaagcgagcc	1140
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35	aagaaatggt	tcacaagaaa	acagagtgtg	tagtggttat	ctagactgga	agttgagagt	180
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	cacaggtccc	atgtagtctg	attcaaaacc	atattgatct	ttaatgtact	gtttaacagt	300
	gaggccaggt	gcaccaccaa	ggagagcgat	gggagtctca	acgtcaccgt	attgagaagt	360
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<210> 52

55 <211> 1179

<212> DNA

5 <213> Arabidopsis thaliana

<400> 52

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30 <211> 1177

<212> DNA

<213> Arabidopsis thaliana

<220>

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	gtccttgccg	gagagcgact	cttcctccgt	caactcatcc	ttcgtcattc	tttcagactt	1140
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<210> 54

10 <211> 1177

<212> DNA

<213> Arabidopsis thaliana

<400> 54

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	tgaattctat	cgacgatttc	cacgtcaccc	tcctgatgaa	ctactctact	gatgatttcc	1140
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<210> 55

<211> 1174

<212> DNA

<213> Arabidopsis thaliana

40

<400> 55

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	attggtttta	caggatgacg	tagatgccga	gtttagatgta	catatggttg	gtggttatga	180
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	agtgtatcta	acattttgag	atztatgtaa	atgggtcaaga	acacatgtga	ttgattcttg	1080
	gacacagaaa	atgtttgatt	tatctttttg	actttttgtg	tcaaaaaaaaa	agaaaaaaaa	1140
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10

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 <212> DNA
 <213> Arabidopsis thaliana

15

<220>
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 <223> n = A,T,C or G

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45

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	agtgaacaca	taccatttcg	cagcgagatt	ccgtgtgtac	gagatagaga	tagagaaaaa	180
	cctgagatgt	taatctcatt	gtcctaagct	taatgctctt	aaccctcacc	agcctctcac	240
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	aatacatgaa	aacgccttct	ctaccaaacg	ctagctcctt	tattttttacg	atactggcgc	360
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15	tgcagatttc	ctctcacttc	ccatcatgat	tctgtctttg	gcaaactcaa	gatcagacat	1140
	tgtcacatct	ttagaaccgt	ccattgca				1168

<210> 58

<211> 1167

20 <212> DNA

<213> Arabidopsis thaliana

<400> 58

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45 <210> 59

<211> 1167

<212> DNA

<213> Arabidopsis thaliana

50 <400> 59

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	aaccattaaa	ccattgagta	aaggctatca	actttactcc	caaccagcag	ctgggtgcccc	240
55	tgaggggtggc	gcggcagctt	cccattccacc	atctgccggg	gcagcagcgg	aatcactcca	300
	agaagcagca	gcaggtgcag	cagagattgg	tgcttgacct	tctcctggcc	atgcagcatc	360

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5  agggatctga gcggtgggtcc attgggtctcc acctaccatt ccatattctg gagcaggaag      420
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   cttgttgttg gctgggatac caatgtcaac aaatctcatt ggagagtctg tgtcacagaa      660
10 agcaatgatt ggaatgtttc ccaaagcacc ttccttgata ggctgggtgg cagttcttgg      720
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   accaggagtg tgtcttccag caatggcatt ggctccagtg tactgagcaa acttcaacac      840
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   tccaagatga acctcagcgg cacacatcat cctgacatca gcttccttct gagagagctg     1080
   cgctgagcta gcagatccat tagtcgccat tttcttatct ctcttcttct tcttcgccgg      1140
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20  <210> 60
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    <212> DNA
    <213> Arabidopsis thaliana

25  <220>
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    <223> n = A,T,C or G

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    gaatgaccgc aaaagaaaga tgccaaaaaa accactacat ttaacagagc acttgctaag      180
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    attcaacatc catttgtctg cacttaacga tacgacgaaa gtactgaagg aacattggat     1080
    tagctcggga tgaagaagat gaagaacgag atctggaagt tgtgggcaac atcttctcct     1140
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    <211> 1164
    <212> DNA
55  <213> Arabidopsis thaliana

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5 <220>
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 <223> n = A,T,C or G

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 15 attgttgttg aatatcagct tcaccagtgt gtataatgag aatcaagagc ggcattgatg 300
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 30 atatggtttc aagttcggat ctgc 1164

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 <211> 1163
 <212> DNA

35 <213> Arabidopsis thaliana

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 10 <212> DNA
 <213> Arabidopsis thaliana

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40 <210> 64
 <211> 1161
 <212> DNA
 <213> Arabidopsis thaliana

45 <220>
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 <223> n = A,T,C or G

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 tcttgtgtta aagatgaacc aatttgaagc attagaggat aaactggact aaactctttg 180
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	cctgtagaaa	tctggcactc	agctcgttga	gctagggttac	taagggcctt	gcctatctca	1080
	cgcaaaacta	gaagagtcaa	acgagcatct	ggatgaacag	cctcaatctc	atcttgaatg	1140
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20 <210> 65
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 <212> DNA
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25 <220>
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 <222> (1)...(1161)
 <223> n = A,T,C or G

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30 <213> Arabidopsis thaliana

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35 <223> n = A,T,C or G

<400> 67

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<213> Arabidopsis thaliana

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<221> misc_feature

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50 <211> 1145

<212> DNA

<213> Arabidopsis thaliana

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55 <221> misc_feature

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<211> 1143

<212> DNA

<213> Arabidopsis thaliana

45

<400> 76

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<211> 1142

<212> DNA

<213> Arabidopsis thaliana

20

<400> 77

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<211> 1137

45 <212> DNA

<213> Arabidopsis thaliana

<400> 78

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<210> 79

<211> 1135

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20 <213> Arabidopsis thaliana

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25 <223> n = A,T,C or G

<400> 79

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<210> 80

<211> 1132

50 <212> DNA

<213> Arabidopsis thaliana

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<223> n = A,T,C or G

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<400> 80

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<210> 81

<211> 1132

<212> DNA

30 <213> Arabidopsis thaliana

<400> 81

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<210> 82

<211> 1129

55 <212> DNA

<213> Arabidopsis thaliana

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 <223> n = A,T,C or G

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35 <213> Arabidopsis thaliana

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<211> 1128
<212> DNA
<213> Arabidopsis thaliana

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<400> 84
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<210> 85
<211> 1127
<212> DNA

35 <213> Arabidopsis thaliana

<220>
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40 <223> n = A,T,C or G

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gaccagata tgggtggctg tagcccaact gtggctttcc agtgtgccat gtggttttgg 660
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55 ggtggtgaat gtaatgggtg gcgtccagct gcagtgcaga gcagggttaa ccattacttg 780
gacttctgca agaagcttgg ggtcactcct ggaaccaatc tctcatgttg aagacactac 840

5 tagtttatga gggtttttca ttaatgtcgt ctgggttaaga atttcgtatc gaataataaa 900
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gttgatgtct cttaaggtaa ctatattgtg tgttgtttgt atccgctcgc tagcataagt 1020
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<212> DNA
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15
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<222> (1)...(1125)
<223> n = A,T,C or G

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atcaaagaat ttactaccca ccaccacaca actgtcctga cccaaaaaat gaacgcatgt 180
25 ttgacaaaaa aacaatcatt acaataacac accattttgt ggtaagaat atgaagaatc 240
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gtaaaattga aggaagaaaa acacaagaaa ctgttcattg tcttcatagc tgcggcgctg 360
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30 gaactctacc tcagacaggt aagcctctct gcgtttgaag tcaatccctg tcacgggttt 540
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tggtccttgg ttccactgc tagactgac ctccacaacg tgggtgtgtac caagtaataa 1080
40 tgctgccttc ttctggtagg aattcccttg cacagtagct ttagt 1125

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<211> 1124
<212> DNA
45 <213> Arabidopsis thaliana

<220>
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<222> (1)...(1124)
50 <223> n = A,T,C or G

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55 ctgaacagtt ggtactcgat ctcagcaatc ctgaactcag agaaaatgct cttctcgagc 180
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	ctcattctga	cacgagaatg	ttattttctca	aggctcatat	cccgttgtag	ctttatccct	420
	tccttaatac	aacgagtaag	tccagacctt	tcgaatactt	gcggcttact	agcctagggtg	480
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	agcagccttc	tccgcgcctt	ttgaagcata	tcattcgttg	ctatctccgt	ttatcagaca	780
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	atgttggnnn	tggtcgcgtc	ccaacacatc	aannnggagg	atttgagcac	atgctttgag	960
	ctgaatccat	ctcaaaccga	tccatggagt	gtgtttcttc	tgtttttggn	tctaattata	1020
	catgtgcttt	ttaatgcctt	aacttagatg	atgggttata	ggctttttag	tctgtttgaa	1080
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20

<210> 88

<211> 1124

<212> DNA

<213> Arabidopsis thaliana

25

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<223> n = A,T,C or G

30

<400> 88

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	agctcaaagg	agaatctctg	gagtatcaat	gccattgcca	tctttgcctc	aagcaatgca	180
35	aaattctggc	caatgcagat	cctcgggtccc	cacgcaaaag	gaaagaagga	ggcttggttc	240
	tttggtgcct	ttgagagacc	gtccttgaat	ctctctggct	tgaactctcc	tgcacgtttt	300
	ccccacagct	ccgtgtcgcg	ttggactaga	aggataggta	gattgatcag	aacgccgcct	360
	ggtagtgtca	gatctccaag	ctccatctct	ttgtgaatgg	ctctgctcag	ctgaggtatt	420
	ggaggatata	gcctaaggac	ctcatataat	atcatcgta	taactttgag	ctgggtgagt	480
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	aaattggctc	aaagattctg	agagcaccgt	tctacttta	tagattgcag	tactagaaga	900
	caagtttagt	ttttcattac	ctatatccag	ggatgaaagc	tttcctaaaa	gcttgaatga	960
	tgagctgtgc	tagttctgct	tggagctcaa	atctcctctg	cccttctttg	tagctgctnn	1020
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<210> 89

<211> 1123

<212> DNA

55 <213> Arabidopsis thaliana

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   aaggaatatt tctaccacta aaaaatcaac caagaaaaaa attcaaagta tccctttttt      180
   gtaggggttc atttcaacct gaattgacca aggtgttgct gactgtaata tattctacaa      240
10  tgctaattctt tcgaatcact gagcgagaca agaacctggt tcaaaaggca caactcgacc      300
   gccaccaacc aaagggtgcag ctgcaactcc tctttgattc aatagacatc tgaagtgagc      360
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   tcaactgctca cgtcaagtgg ttcttgacaa ttcttgaggg gccacaaggc aggatatccc     1020
   tttcccatg agagagcatg tcttggaaaca tcaatctcag ccaagacatg gatccctcgt     1080
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25  <210> 90
   <211> 1119
   <212> DNA
   <213> Arabidopsis thaliana

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   <223> n = A,T,C or G

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   acaacaaacc aacttagaag aacatgacaa gaaaacgcaa acaaaaatga aaaggaacaa      180
40  aaaacaggaa cattcacaat agaaacactg agccagttta gatatacaag ccatcactaa      240
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   gtccgaacc aggcccgtag ttcatgaact ctccgtagaa gagtgtgtcc aacgcaaaat      420
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45  aaaccgttct cgaatatagc ttccatggcc ttccatagata cgtccttgct gtgtttagggt      540
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   gggtgacatc tttccggcnn ngtgcagtga tgggtgttctt ttgggtaggg agtcctcttt      660
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50  gataaccctt catcgcacat ctgtagaaca cagagaggct agagtctgat ctcaagtcta      840
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   ctcttcgcgt tactcgaat gtagctgacg ggaagtggt ccaaccatcg atgaagctgc      960
   gggtaccgga aataacagtc acgtcaatgc catcacctaa cattacaatg ttccatttct     1020
   tcttcttgat ctcaacattc tccaaatata aacctttttt aatgtatatg acgaaacgtg     1080
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 <211> 1114
 <212> DNA
 <213> Arabidopsis thaliana

10 <220>
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 <222> (1)...(1114)
 <223> n = A,T,C or G

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 aaagttgaag aaacagaagt tcatcgatac aacgatttgc aggtagccaa aaaccgtagt 180
 tcagtggtt tgtcttccca ttcaacacct tctaaccatt tgttttcgcc gtattttacg 240
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 caatgttctt gcaactgcaag tccactcaga cgtggaaaag acaatggtga ccagtagatg 360
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 cgcaaggaga ctaactctga tattttcttt ggtaatccag tgagactact attccatgat 1080
 aaatccaata cgacaagggt aggcattgaat cgaa 1114

35 <210> 92
 <211> 1114
 <212> DNA
 <213> Arabidopsis thaliana

40 <220>
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 <223> n = A,T,C or G

45 <400> 92
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 aaacacaaac caccaaagtt ttaaataaaa cgagacatga acttcttctg attcataaca 180
 50 gagataagtt tttagaaacc accacggagc cttagcacca agtgaagggt agactccttc 240
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	ctgccatcct	ccaactgctt	tccagcgaag	atcaacctct	gctgggtccg	aggaataccc	780
	tccttgtctt	ggatcttggc	cttgacgttg	tcgatgggtg	cagaactctc	cacctcaaga	840
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	atcttggcct	taacgttgtc	gatgggtgtca	gagctttcca	cctcgagggt	gatagtcttt	1080
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15 <210> 93
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 <212> DNA
 <213> Arabidopsis thaliana

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	acgtcctgac	tcagctgaac	gagtcacg	aactctctc	ggatctatct	tacctgacgg	240
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	tggtgatatt	gattaccacc	acaatatgtt	agcttcacac	cttaagggtga	attcaaaggga	360
	aactattgtc	ggctgggtatt	caactgggtg	tgggggttaat	ggcggtagtt	cgctgattca	420
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 <212> DNA
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45 <220>
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 <223> n = A,T,C or G

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15	cactggcttt	ggcagccagg	ctgcttacag	tatggttcgg	tgttaccgca	ccagccgaac	960
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	gccgaggata	atgataggag	aagtgaaaag	atgagaaaag	gaaaaagatt	agtccttcatt	1080
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	atggggttcga	aatagtacat	tgatgcagcc	gatgactaag	gaagtccct	ggtatctgga	240
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40	attggggagat	ttgtcaagg	tnnttctttt	ctctgttttt	gcctattctt	ttcttcgaaa	600
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35 <400> 99

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	atgatgatga	tcacagttt	cagaatgttc	atcagggaca	acaaccaata	aatcctcctt	840
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5 tgctctttct gacatcatgc cctgatcttt cacagcaagt gatccgacgt cgtttctcca 1020
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<210> 107

10 <211> 1094

<212> DNA

<213> Arabidopsis thaliana

<220>

15 <221> misc_feature

<222> (1)...(1094)

<223> n = A,T,C or G

<400> 107

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40 <210> 108

<211> 1094

<212> DNA

<213> Arabidopsis thaliana

45 <220>

<221> misc_feature

<222> (1)...(1094)

<223> n = A,T,C or G

50 <400> 108

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 accgcacatt cagttcttga aacatattgt ccagggtgcac acatatcata tcaactctgca 240
 55 tcgtctccac cagcaccagg tttggcagaa ccattcgctt tatgagcacc gtctctctct 300
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	gagaaattca	aagccaaacc	caatctgata	gggtgtgttg	gagggagctn	nnnctcagca	540
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	cctgatttga	actcagcaag	atagcggtaa	tagtcannnt	tcatcnngtt	gaagaagaca	660
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	atgcatatgt	tagaaagctc	taactcaann	ttctccatat	actctttgat	cctctttaca	780
	ttaacatcat	tccctttcac	tgcttccttt	tgttcaatcg	acgagaagat	cctccacgaa	840
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	gtcagatcaa	cattcaattt	cgcaacactt	ttcattgatt	ccaccatttc	ttcataacgc	960
15	tcagcttgct	cagagagctt	agcgaggtag	acgaaagtgt	cacgctcttt	tccagaaccc	1020
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<210> 109

20 <211> 1093

<212> DNA

<213> Arabidopsis thaliana

<220>

25 <221> misc_feature

<222> (1)...(1093)

<223> n = A,T,C or G

<400> 109

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	aatgatcttc	atcttcatga	ccggataaac	tcttagagaa	agattcaaag	tgattatctt	180
	tgtggatccc	tccattgcta	tgtggaatth	agcttcaaaa	tcgatcagag	aagggtttat	240
	atcgaaggga	gaagaagctg	ctacaaaacc	aagaagagct	actttagata	gacaggaga	300
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	cgttgttgag	aatgtacctt	atgtcttatg	gtgtggtcat	acaatctgca	agtactgtct	420
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	cttcggttgc	tgcccttggt	gcaatattct	ctctnnnnn	ctggtttgca	atggaaccat	540
	cagatttcct	tccaagaact	tttaccttct	gtggatggta	gaaagcatga	atggctccag	600
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45	gtttgctttg	gctgtcccgt	cgtttctcgt	cctttattht	gccttcccga	gcttaaactg	960
	gctgatcaga	gagattgcaa	cctgactcat	tgtactgttt	ctttcttctt	gtatgtttcc	1020
	tgacttgtaa	gaaacacgag	atagagccaa	cgttgtttac	actcaatata	gacaagaaga	1080
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50 <210> 110

<211> 1091

<212> DNA

<213> Arabidopsis thaliana

55 <220>

<221> misc_feature

5 <222> (1)...(1091)
 <223> n = A,T,C or G

<400> 110

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	atgctcgaac	gaacgccgga	ttctcttcaa	ccgcattgct	ccagtttacg	ataatttgaa	180
	tgatctctta	agcttaggcc	agcatcgaat	ttggaaaaac	atggctgtct	catggagtgg	240
	agcaaaaaaa	ggagattacg	ttcttgattt	gtgttggtga	agtggtgatt	tagcgtttct	300
	cttatctgag	aaagtgtggt	caactggcaa	ggtttatgtt	cttagaaatg	tgtagcttgg	360
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	gacttanagc	tatgaaggag	atgtatcggg	ttttgaaacc	aggttcaaga	gtatctatac	660
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	attcaatcaa	tggtatctta	acaggagaag	agctagagac	tcttgctcta	gaagctggct	840
	tctcaagtgc	ctgccattat	gagataagcg	gtggtttcat	ggggaatttg	gtcgtatga	900
	ggtaaaggaa	tagcgcgttt	gactacactt	ctacaccaga	tatattgaca	caatctttat	960
25	ctggattttt	ataagaaaag	agaaacgctt	tgcgttagga	tgatgcagat	aatgtagagg	1020
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<210> 111

30 <211> 1091

<212> DNA

<213> Arabidopsis thaliana

<400> 111

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	ttcaaggaga	tggagataaa	gtttgttaac	gggatcttaa	agtgacaaag	cgtatgaagc	180
	aacctatcta	tgtttattac	caacttgaga	atttctacca	gaatcaccga	aggtatgtaa	240
	aaagtgcgaag	tgattcacag	ttgagaagta	caaaatacga	gaatcaaata	agtgcattgca	300
40	agcctgagga	tgatgttggg	gggcagccga	ttgtgcccgtg	tggtctaatt	gcttggagtc	360
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	gtgggaagaa	cgatttcctt	ggcattgctt	acctgacagt	tggcgggac	tgtttcattt	780
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	acatactatg	taatccttgc	ttgcaaaatg	gtttcttcgg	tgagagctta	aatcccacat	1020
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55 <210> 112

<211> 1090

5 <212> DNA
<213> Arabidopsis thaliana

<220>

<221> misc_feature

10 <222> (1)...(1090)

<223> n = A,T,C or G

<400> 112

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	atatgaatct	tcatgaggaa	gaagaagacg	acgacgccgt	ttacgactct	cctcctctct	180
	ctcgtgttct	ccccaaagcc	tcgacagaaa	gtcatgaaac	caccggaact	acttccacag	240
	gcggtggcgg	aggattcatg	gttgttcacg	gcggtggagg	gagcagggtt	aggttccgtg	300
	agtgtctcaa	gaaccaagcg	gtgaacatag	gaggacacgc	ggtcgatggg	tgtgggtgag	360
20	ttatgccagc	tggaatcgaa	ggtaccatcg	acgctctaaa	atgcgcgcgt	tgtggctgtc	420
	accgtaactt	ccaccgcaag	gaattacctt	acttccatca	cgcgccgcca	caacatcagc	480
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	cgtcacaagc	tcctcctctt	cagctcgtct	ttccccctcc	acaaagagag	agatcagaag	600
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	accaaccatg	aatcttgaat	ttctttgatc	actaggggtt	taatttagct	taattaatta	960
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<210> 113

35 <211> 1090

<212> DNA

<213> Arabidopsis thaliana

<400> 113

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	gacaccggag	ctcaggtcgc	tccgatcggt	aggcttgagg	aggttgccgt	cactaccggc	180
	gaggaagacg	aagatgccgt	ccttgatctg	aaatcgaagc	tttatcgatt	cgataaggat	240
	gcgaatcagt	ggaaggagag	aggagctggg	actgtgaagt	tcttaaagca	taagaacact	300
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	atTTTgttac	ggTTTTgata	tagTTTTcgg	ttactattta	tacggacaaa	aaatgattta	1020
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<210> 116

<211> 1088

15 <212> DNA

<213> Arabidopsis thaliana

<400> 116

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	ttaaaaaaa	aacagagaga	tttatccaca	caaagacaaa	ccaaattgaa	aaaaaagaat	180
	gaaaaataag	TTTTTTTT	ttgttccttt	ccgtttcttc	ctttcatttt	tttgttacgt	240
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35	taaccatctc	TTTTgttggt	taatctaaat	taaacttctc	aacgtgaaca	aatttgaaac	1020
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<210> 117

40 <211> 1087

<212> DNA

<213> Arabidopsis thaliana

<400> 117

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	aatcccacct	caaacatgta	cataaacgcg	tttagaacat	tgtggtttga	aattattttc	180
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55	tcttgacgct	atcgaagagt	ataaacgcaa	actttccatg	gaaatctcta	acaactttgt	660
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5	cgtttgtgat	tttgttcagt	ccatactgct	gcttcagaaa	cggtagggttc	tcaatgtgtc	780
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	gattatcaag	agagtaagca	acaaatccag	aagatccgaa	gttaagcgtg	acggagttgg	900
	gattcacgga	agcgaaatga	gtagcgagag	atccatcttt	caacgcgaaa	gcagactcag	960
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	cgcggtgg						1087

<210> 118

<211> 1085

15 <212> DNA

<213> Arabidopsis thaliana

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35 tggtgaaccg ttgtagctcc atgaacaaat ttggaatctt caatgtacag aggaactaag 1020
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5 taggaacata ctcgcttcat tgcttaccgc tgagattagt tggagcggaa ggagcaccga 780
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aa 1082

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45 <211> 1081
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    <220>
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    <223> n = A,T,C or G

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5	aagaagaatt	caaaactatg	agaagaaaan	nngaagaaga	aagttgattc	gaaatctgaa	180
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<211> 1081

25 <212> DNA

<213> Arabidopsis thaliana

<400> 124

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50 <211> 1081

<212> DNA

<213> Arabidopsis thaliana

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<211> 1079

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<220>

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55 <212> DNA

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 <212> DNA
 <213> Arabidopsis thaliana

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5	gcaacaccgg	caggagagaa	agtgggtgata	ctgaatttct	ggtcactggt	gtgggttttg	960
	tacagaagat	ctctggcctt	tttgccgatt	tcgggtgtaga	gaccgggacc	tttcaccatt	1020
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<210> 129

10 <211> 1077

<212> DNA

<213> Arabidopsis thaliana

<400> 129

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	cagaccgag	caaggtttgc	cactctcaca	ctggtacaaa	tttcacaaca	agctctcaat	180
	ttgggtccaa	ccagaaaaaa	ataaaaatga	atgatgagt	acgagtaagg	caagaacaaa	240
	cagagaagaa	aattcgtgga	gccgtgttgc	ctggatgaat	aatgtaacct	gagtactttt	300
20	atcgactgat	attacatatc	ccagagtaaa	gaaaaagcac	aggcgagcgt	attcttgatt	360
	acacgaatga	agtcaagtgc	atcatgtttg	gcttgatctt	accggtatcc	accaccatag	420
	gattgttgag	ggttgtaacc	accttgaccc	atcatcggat	tgtagtatt	gccaggcatg	480
	tttgggctag	gtaccatccc	tgggttttgt	ggttgcatcg	gatagccttg	gccatattct	540
	cccattgtta	tgttcatgtt	catgccgggt	cccattccca	taccatcgg	ttgggttttg	600
25	ttcattccgg	cccccatacc	catacccatg	ggttggttct	ggttcatacc	tccgtagcta	660
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	ctcatagcag	ttgcaccaga	acgccctaag	ccagtgcctg	atcccatggc	tttacccata	780
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30	aagttaacaa	gccccctgct	caacgtgtct	gccagactg	atgatttttg	ctcaaacttt	960
	ttctgaggcg	gaggaacaat	ctcaattgct	cctgttaaa	gtgtgagatc	tggatgagat	1020
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<210> 130

35 <211> 1077

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<213> Arabidopsis thaliana

<400> 130

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	tgattgtcag	cagggtgtgg	caggaccttt	atctggtgac	cgatatggtag	ttgctctctg	180
	gaaccgttgc	tctgagccag	caactattac	agcatcatgg	gatatgatcg	gtcttgaatc	240
	taccattagc	gtttcagtaa	gagattttgtg	gcagcacaaa	gatgtaacag	agaatacttc	300
45	tggctccttt	gaagctcaag	ttgacgcaca	cgactgtcat	atgtacgttc	tactcccca	360
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	cccaatgcac	gaatcgatat	acaaatatga	aaaaaacaaa	ttcaaaacaa	gaaaacttgc	540
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	gtcccattat	ccgcagcaat	taagagcttt	gtttcttctt	atgggcactt	gcggcggtcca	720
	ccgtgggtgg	tgaggctagc	gtagcactgg	cacttgtcgt	agtttccgta	cgtaaccgga	780
	ggcacacagt	tgacactgta	gcagcaagtc	ccgcacgctc	tgtgacacag	cctcggcctc	840
	ctcgaaagcc	tgcaccgtgc	tacacacgca	ctcccacaat	cgatcttctt	tgcgtaacca	900
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5	agaagagaag	cgataagagc	ttttgaaata	gccatgattc	tccaaggaga	gtttatgatg	1020
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<210> 131

<211> 1072

10 <212> DNA

<213> Arabidopsis thaliana

<400> 131

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	aagcaaaaga	gaccaaccac	acttactact	gtcagggccca	aaatcaaaac	ccttacctgg	180
	aaaagatata	tatccatttt	agttatcaaa	tctaaaattg	agtctctcta	catcctaccc	240
	tcgcacaaaa	accaccaccc	ttgattccta	catgcatagc	catgtctctc	tcctaattgt	300
	atattttcac	cggcttctcg	tatgcgtgtc	ggttctgatt	tcgagcataa	gcccttttag	360
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	tctgaaagcg	attataaaca	acatctgtgt	ccagcaagta	atcaggacgt	cccattgaaa	480
	acgatgcaaa	cttccacttg	gcaaagtcct	catcaggggac	atggagtttc	ttttggatac	540
	gggtcttgat	ttcttctaaa	gtttcacctt	cgtggattac	caaaaagaag	ggttccccc	600
	aattttgaac	ttgtctgattt	tgctccggcct	cttttagtaa	atgatatacg	tgaattaacc	660
25	tatcattggg	accaatattc	ttctcttctt	caggatcttc	ctctgctcgt	aaagtccagt	720
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	aaaagacctc	aagtaacctc	agttctgcat	cttgatgcga	aagctccacc	tttgttttca	840
	gttcgttaat	aacatctccg	accgtgcttt	gtttaggtag	tctgatattg	tggtattacca	900
	cttcttccct	cgtggcatga	tggaagcaaa	cttttaaggt	tttaagacct	tgtaattctg	960
30	gaagagggat	gtccagaact	tcataatata	aaatgtcaga	cgtctgattg	tagtgaacta	1020
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<210> 132

<211> 1072

35 <212> DNA

<213> Arabidopsis thaliana

<400> 132

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	acaatggaga	tattacttaa	cacaaatata	taaaaaggtc	catttttagtg	gttggtgaaa	180
	atgcgattga	aaggtataag	aagatggaaa	gtaatccact	gtggacaaac	tcagagtagg	240
	gaggagtcaa	atcaactgat	ccgacggcag	atagtgattc	catcaccaac	agggagcata	300
	cagatctcga	tccgagggtc	agcagcaaga	gccttggtta	gctcaagaac	aaagtctctg	360
45	tagtaacgaa	cgtacttcct	cattggtgca	tcaggaggag	ccacgacaga	accattccac	420
	agagtgttgt	cgtagccaat	cactcctcca	attttcacaa	gatcgatcaa	acgcttggtg	480
	tagttgatgt	agttgtcttt	gtcagcatca	acgaatataa	agtcatatgt	tccatgggtc	540
	ttctcgtcag	caacgatttc	atcaagaacg	ggaagagcag	ggccttcctc	gaagtcgata	600
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55	ttctgagact	gcttctgata	ttctccattg	gtcgatgatg	tcttcgttgc	ttctggtgtt	1020
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5

<210> 133
<211> 1071
<212> DNA
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<400> 133
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gtgggagctc ttccgagctt cggttaatcct aaccttagct ttgattcacc tggtcgaagc      180
15 aaactccgaa ggagatgctc tttacgctct tcgccggagt ttaacagatc cggaccatgt      240
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ccaagacaac cgcgtcactc gtgtggattt ggggaattca aacctctctg gacatcttgc      360
gcctgagctt ggggaagcttg aacatttaca gtatctagag ctctacaaaa acaacatcca      420
aggaactata ctttccgaac ttggaaatct gaagaatctc atcagcttgg atctgtacaa      480
20 caacaatctt acagggatag ttcccacttc tttgggaaaa ttgaagtctc tggctttttt      540
acggcttaat gacaaccgat tgacggggcc aatccctaga gcactcactg caatcccaag      600
ccttaaagtt gttgatgtct caagcaatga tttgtgtgga acaatcccaa caaacggacc      660
ttttgtctac attcctttac agaactttga gaacaaccgc aggttggagg gaccggaatt      720
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25 gaagaattgg ggggtgacct tgtaagaaca cttcaccact ttatcaaata tcacatctac      840
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gcgtactgta atgttcggtt gtgggattct gagaagtaac atttgtattg gtatgggtatc     1020
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<210> 134
<211> 1070
<212> DNA
<213> Arabidopsis thaliana

35

<220>
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<222> (1)...(1070)
<223> n = A,T,C or G

40

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aataccgtac gatctctaga ggaggaactt cgattcttga caaccttaac gctttgctcg      180
45 gtcccaagac gcaagattac atctotttct atggtttgag atcgtagcga cggctggttg      240
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actctgagat cgggtgtgtg attgaagaca aagaattcgt ggaatcttcg atgaacggaa      420
tgaagtggat ggctgggaag ttctcttaca gtcttagatg ttccttggtg tcagagcatc      480
50 tcggccttca cgccggagag atgcaaaaga tcgaagatcc aatcaaagat gcaacataca      540
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gcatcccgaA tgaacatata cgctcaagag ctgcattgag acacaatatg gctctttgta      660
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gcggcagcga ctcggtggag attctgaagg agacaagagg gaaccttggt tgcttcccat      780
55 tacagttcat gtgtgatcaa gaagatctca gaccaggttt caacgaatct gagttctaca      840
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5 taatagagta cctaagctca cacgttactt atgtatagag atgttagtta tatagaaaga 960
 agaaattcat ttgattgctt cctaggttcg cagaggtatg tgtgtgtata gtatacactt 1020
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<210> 135

10 <211> 1070

<212> DNA

<213> Arabidopsis thaliana

<400> 135

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 25 gttgctcacc accgaaacaa ccgttgctct tgtggttaagg aatgggttgag agaagagtgt 660
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<210> 136

35 <211> 1069

<212> DNA

<213> Arabidopsis thaliana

<220>

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<223> n = A,T,C or G

<400> 136

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 gcagatgatt caaatgaaaa ctacacgact catgactaat ggaaacacgt ttctctgaaa 180
 cgtgaatcat cttagataga tttaaagcaa aagaaagaga tgcaaagtcc cgactgaatg 240
 ttccagtgaag agtgatcagt cacgttctact aatggccgtc aagtgtcgt cgatctctc 300
 50 tgctttgaag tcttcttgaa gaacagattg gagagcggat atagcagtct gtactgtttc 420
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 gtaaagttaga ggtcctctct cttcatcaat acctagaacc atggcaacta ctccaagggg 600
 55 tctcatgtaa gcatgttggt tgtaannnng agacttatct gcaatccatt tagcaagaat 660
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5	ttgtaccaat	gaccttgaat	cagctgtcat	gccagtggct	aacaatccaa	ggtacttggg	780
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	cgtaacgacg	catactgaat	ctttccctcg	gacaccgac	gatgtgattc	cagctgcttt	900
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	gtgacgatcg	taaccagcgc	cgcttcctct	gctcatcttc	ttcttctcag	agaagagaac	1020
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<210> 137

<211> 1068

<212> DNA

15 <213> Arabidopsis thaliana

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20 <223> n = A,T,C or G

<400> 137

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25	aacagaat	agataaagg	ttcaaagctg	ttccgtttag	tcatacattca	ccgatgaact	180
	tgcgcttt	agaggtgttc	atgtacggtc	ttataaccca	ttcgatctct	gcttcatttt	240
	gttccacagt	tcctaatttc	acctggtaga	gccgcaactc	aaatcgagga	ccgatttctt	300
	taagctcgat	tgatttttga	cctccctctc	ctttatcata	gacatgattc	ctgaatgata	360
	tataatcgga	ttgattagaa	aaagtaacta	tacgttttgc	atccagtttt	ggagcagggg	420
30	agatatgtt	taagatgtt	ccaactcttt	gacccatctg	agtagtaaag	ttgttaaaaa	480
	tgagatgagg	atattgctca	ggcatttttc	caatggattt	cttgtctgaa	atatcatgtc	540
	ttgttaccac	attaagtaat	ccaaagtatg	cagttgggtc	aaatgggaga	tgagagataa	600
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<210> 138

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45 <213> Arabidopsis thaliana

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50 <223> n = A,T,C or G

<400> 138

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55	ctaaagatgt	tgtctgcaaa	tgtttgtgtt	tcaaagaaga	gcagatttaa	gagacttggg	180
	tagttttctca	agctccttaa	gtccttcagt	tggcgacttt	gcatcaccca	atagctttac	240

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5  cattgcactg cctacgatca ctccatcagc tccccatcca gctatctggt tcacatgctc 300
   cggttttgat attccaaaac cgactgccac cggtttgtct gtcgcctctt tgatatacctt 360
   caagagcgac tgaacctttc cgcttacaga tgatcgtgca ccagtcactc caattgagct 420
   cacaaggtaa ataaatcctt ctgacgcac cacaattagc ttcattcgct ctgttggtgt 480
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10 ctcagtttcc ncnngaggaa catcggaac cacaagtccc tgtacaccaa cagctctgat 600
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   ggagagagaa gccatgggag tgaatctctt gaaagaaagc gatgaatcag gaggagaaga 1020
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   tccntaaacc tcaacgccgg cgaagatgac ggcgacgaag acgacaataa taacaattct 180
   gaagataaca aagctttttg gcaggaacac gaacaacttc ttcaggggac actgtatagg 240
35 acaagttcca ttgagacaaa gattagacaa gctacaaaag aagcgttgaa acaagttaaa 300
   tctaagggtc tttattgtgt ttgccggcga ccagtggacg gcggttgccg gagttgctta 360
   cgtggcgaaa tctctagaca cctaagagat gtcgccggct acgattgcgt catctctaaa 420
   tctaaatgga gaagttgtca agacatccct gcaggggaac acgaatttat agagattgtg 480
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30 <212> DNA

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<400> 141

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<211> 1065

55 <212> DNA

<213> Arabidopsis thaliana

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<400> 142

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<210> 143

<211> 1062

<212> DNA

<213> Arabidopsis thaliana

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<223> n = A,T,C or G

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5 <211> 1062
 <212> DNA
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 <223> n = A,T,C or G

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55	tccagggaga	agcactgttg	cagcaagcac	gagataccct	ttcaaagact	cagagatcga	960

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<211> 1062

10 <212> DNA

<213> Arabidopsis thaliana

<400> 146

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<211> 1059

35 <212> DNA

<213> Arabidopsis thaliana

<220>

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<223> n = A,T,C or G

<400> 147

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<210> 148
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 <212> DNA
 <213> Arabidopsis thaliana

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<210> 149
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<210> 150

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<212> DNA

<213> Arabidopsis thaliana

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<223> n = A,T,C or G

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5 gcttctgga agcnnnnnn nntcaaagcc tegttaaacc tcccatcggc gtcggcnaaa 480
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<210> 162

<211> 1050

<212> DNA

20 <213> Arabidopsis thaliana

<400> 162

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<211> 1049

<212> DNA

45 <213> Arabidopsis thaliana

<400> 163

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 50 caagtacaaa agagtgaag actattcacc agaagcctgg aaaacaatct caaactgcc 180
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 aagctgagta tccggaaccg accatgtcga ttgaatcctg tgaacctctt caaacattgt 540

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	cgatcatgatg	agatcaatca	acgtttccct	atagtcagag	atcaagttga	ggtaattcat	1020
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	tatagacaag	aaacaacaac	acatgtgatt	atctttttga	cggatttaac	gaccaagcga	180
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	gtgggtgagca	catttgaggag	cattgactgg	aagctgcaaa	taattcggtc	caaggcgatg	660
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 <212> DNA
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	aaggcgtatt	tctacgtttt	tggttacaaa	tgcacaattc	cccgaaga	ttttgatgat	180
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5 tggagaaccg ttcacgagca cagactatat ggctcaaaca ccatcgtggg cggtttatgg 720
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<210> 166

<211> 1045

15 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 166

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catccaattt aagaaaagcc ttatttatgc aagaaaaccc caacccaaac caaaaatgaa 180
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cttctgtagt tcattagttg aatctcctgc agttccttct gatctcaccg ttacgaccag 300
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30 cggttggtatt agcataccga gccacaatcc cacgagtctg tgggtcggat gcgaggcggt 420
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35 ctgcatcgaa cgtgttcac cctttgttcg tgaataaaact cacggctcca gagacggaga 720
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<210> 167

<211> 1044

45 <212> DNA

<213> Arabidopsis thaliana

<220>

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<223> n = A,T,C or G

<400> 167

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caactttgtc cacttggttc gagatcgaag atgggatttt gtagcgaaag ttccaggttt 180

5 gaaggtggag ggagaaacat aagaataggt ttaaacagaa caggaaagag ttgcaggtta 240
 aggtgggtta attacctgca tcctgggtctc aaacgtggta agatgactcc acaagaagag 300
 cgttttagtcc ttgagcttca cgccaaatgg ggaaacaggt ggtcaaaaat tgcccggaaa 360
 ttaccgggga gaacagataa tgagataaag aactactgga ggactcatat gaggaagaag 420
 gctcaagaga agaagcgacc tatgtctcct acttcctcat cttcaaaactg ttgctcatca 480
 10 tctatgacca ctactactag tcaagacact ggaggctcca acgggaaaat gaatcaagaa 540
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 <211> 1043
 <212> DNA
 <213> Arabidopsis thaliana

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 <223> n = A,T,C or G

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 aagaaaagta gaaagaaaga aaaaaagaaa ctgatagggtc tcatctcaat ttgaggctca 180
 35 agaattaacg aacaaactag aacaagaaca aagaagaaga agtagaaaaa aggcgggaag 240
 tggggctcgc actattcaag aaattgcaac ttgaccccaa acaatattca aatcaatcaa 300
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	cacctttttc	tgatatattac	aacttatcaa	tacatgatgt	ttttcaaatt	ttctaattcc	180
	gccgcagagt	aaaaataaat	atcagcagca	accctctat	ttattcagag	tagtcctctg	240
	ttttcagatg	cactcattct	tcattttttg	aggtctttcc	attttcttca	tttggttggt	300
15	acaaaataac	tcaaacctac	gttggttcac	gatgtcagag	tgcccaactt	gagctcaagg	360
	ctctaagccg	ttgaaaatac	tcaccaagag	ctaataatcc	tcgagccgct	tgctcgcttg	420
	tcaatatccg	atacatttgt	tgcaatgttt	catgtctcaa	gtgatcagcc	tgatttacga	480
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	ggtgaggcag	caagtgcgaa	tgtgagaccg	gctagatatg	cttgtagact	agatgggaag	420
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40 <212> DNA

<213> Arabidopsis thaliana

<400> 172

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35 <211> 1038

<212> DNA

<213> Arabidopsis thaliana

<400> 176

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<211> 1035

<212> DNA

15 <213> Arabidopsis thaliana

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55 <400> 186

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35 <223> n = A,T,C or G

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10 <212> DNA

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 <212> DNA
 <213> Arabidopsis thaliana

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45 <223> n = A,T,C or G

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20 <212> DNA

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<211> 1019

45 <212> DNA

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<400> 212

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15 <213> Arabidopsis thaliana

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15 <212> DNA

<213> Arabidopsis thaliana

<400> 219

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40 <213> Arabidopsis thaliana

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10 <211> 1011

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<220>

15 <221> misc_feature

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<223> n = A,T,C or G

<400> 221

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<210> 222

<211> 1011

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	ttcaaagtca	actttttttg	ggttcaacgt	cacaaatacg	caaagttaac	gactcatttg	240
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5  tggccaatgg catcaaccgc gtaggcacga acgaagtagg ttccgggtggg gatgtcacgc      480
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   cagttaaagt cacacacgat tgatgaaatt agagaggctg tgagaaggga caataagcaa      420
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   gaggattctt ctgaaccttg attatgtaat gttgtctcag tgttttcaat tgcacatatg      960
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20	tgaatctggt	tgtatattgt	attatttgga	acattgtgga	tgcccatgga	tatgtttctg	960
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<211> 1006

25 <212> DNA

<213> Arabidopsis thaliana

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	atataaaaaca	ttagccgttt	caaaacactt	tcaatatgag	acagaaccga	gtccttctct	180
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50 <213> Arabidopsis thaliana

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<210> 231

<211> 1002

<212> DNA

<213> Arabidopsis thaliana

30

<220>

<221> misc_feature

<222> (1)...(1002)

<223> n = A,T,C or G

35

<400> 231

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45

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	aagctgataa	tggcgatctt	ggaaaatcag	aacctcggtg	aacttgcaga	atgtgctcag	240
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	cagccaccag	cagctacact	aacatcagga	gccatgactc	ccaagcaat	ggctccta	360
	ccgtcatcaa	tgcagccacc	accaagctac	ttcatgcagc	aacatcaagc	tgtgggaatg	420
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	cctagatgga	tgtggaatgg	ttcacattca	catgtacaat	gttaaatgtt	gttgatgggt	960
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<210> 232

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<211> 1002

<212> DNA

5 <213> Arabidopsis thaliana

<220>

<221> misc_feature

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10 <223> n = A,T,C or G

<400> 232

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15 caaaaaatgt	cattttattca	taatgaaaac	tctctcctac	tctgtaacct	agatctttca	180
ctcaattttct	cttaatctcc	tgtacaggta	gcactatcct	attacattaa	tccaagcta	240
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20 tcaattttcgg	cttccagttc	caatgtataa	gcctgctttc	gagctcttga	tctagcagct	480
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aagatcatag	aatcattagt	accattnnnn	nnntgtctgt	tttgatttgg	ctgaccaaat	960
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<210> 233

<211> 1001

<212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 233

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<210> 234

<211> 1001

10 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

15 <222> (1)...(1001)

<223> n = A,T,C or G

<400> 234

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	gccgcggtaa	cgactcctga	agaagatatg	cctttgcttc	ccgatgactc	ggagacttgc	180
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25	actgattgtt	tgagtggaag	ccacaacaat	gctgatggat	tctcacctct	tcttgnnngc	420
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	gtggttggtt	gagagaagtg	aaattcagat	agagagaaag	agagagggct	ttggttctgt	900
	ctttgtaaat	tagttttttg	gtgtcgttgt	tgttttagta	gccatgttct	ttaacattttt	960
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<210> 235

<211> 999

<212> DNA

40 <213> Arabidopsis thaliana

<220>

<221> misc_feature

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45 <223> n = A,T,C or G

<400> 235

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50	atcattactt	gcatttattc	tgactaacg	gtactaatcg	aattggttct	gtttctttac	180
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	aaaaaatatc	ttcacttcac	atgcctccaa	tgaatcctct	cttcatctct	tagcataact	300
	aattcaatca	ttgtcatcta	caaagtcaca	cagagagaaat	tgttaaatcg	taaagccaca	360
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	tcaatctcat	catcgaagcc	tatccacaat	aaaaccaatc	gtcgaatcaa	atcttaatta	540

5 gattgctgta acgatcaata aatctagaac taatcacatc aacaatctct aacatttttaa 600
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10 caaaaataaa aagcataaga aaacgaatat aaagaaggag aagcgtagaa atcttccaga 900
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<210> 236
15 <211> 999
<212> DNA
<213> Arabidopsis thaliana

<400> 236
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gaagctttga cagatctacc aaacttaaga aaggccacga acttttccag tttcagtgtc 180
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25 aaaccctgaa ggtgctcctt tctttgatgc atcatgtgag aatgagtact gtgttttcga 360
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gtttgagatg tgctttgcca gattcacaca gccagcttca actaaggaaa cattctcgct 780
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35 cttaatatct atgaacttct ctgttccaat atcagaacca aaaccgctt cagttaccac 960
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<210> 237
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40 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
45 <222> (1)...(999)
<223> n = A,T,C or G

<400> 237
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gatgaaatgt gttttttttc tttcttttta atagttcaca agcaacacat gcatctatga 180
gaagatcaat atacaaatta caactttttt ttgtataatc tcgtctcttt caatttaaat 240
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55 ggaatcaaag gagacaaact ctccactagc ttgagagctt cttcttctgt gttgacgatt 420
tggttgaagc agaagtatcg accgcaagct gaaacatcct cgaatgctct aatatgaacg 480

5	tccgctagaa	acttaacgtc	tacataagct	aacacacccat	tctcatacat	ttgtgcagct	540
	cctttaaggt	atgacatggg	gggcctagcg	ttgtgttggtg	cgacagatgg	tccgacgaca	600
	agaccagggg	tgatagagac	catgttgagc	ctacgggtcca	tggctaatagc	ccaagctgct	660
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	agcaacagaa	gacaacgtta	catgtcttga	gagagacaag	tatgctttga	taatccaaca	960
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 <211> 998
 <212> DNA
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	ctattaagaa	aactaggact	tggttggtga	cttttgatac	tcttgaagaa	gctgctaaag	360
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	aacgtgatgt	ttcttcatct	gagactagcc	aatgctctcg	ttcttcacct	gttggttctg	480
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	gttaagtgag	aagagtgttt	tggttttctg	tttatgcttt	agtaatttaa	gacatacaaa	960
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40 <210> 239
 <211> 997
 <212> DNA
 <213> Arabidopsis thaliana

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	atacataagt	cgaaagacca	tgtcagaatc	gggcacatcc	ggttcttatt	ccgcttcac	180
	agtgtgattt	ctggatacca	atgaggcggg	cataatccac	ccataataag	gaaccaaga	240
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	ccgatttctg	aagctccagg	aaccgagtga	taaccgatcc	aggaatccga	cccgcctcaa	960
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10

<210> 240
 <211> 997
 <212> DNA
 <213> Arabidopsis thaliana

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 <211> 996
 <212> DNA
 <213> Arabidopsis thaliana

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10 <212> DNA

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<223> n = A,T,C or G

<400> 242

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<400> 243

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 35 <212> DNA
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 20 tccatagaca tcatattgac atgggtcacgt gggattcatc gattatgagt ttcactcatc 240
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35	cctaatagcaa	tggaaacagc	tgagagggtt	catgtggctt	ttgaatcatt	gaagacacag	660
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	acaactaagc	tattaactag	ctaaagttaa	tattctctca	gtcatgctcc	ttgactacta	780
	attatactgt	tctactcaat	actcaatatg	gtggaaatcg	tttgggtctt	gaaaggcttt	840
	gatgtaagtt	tctttctttc	tttgtagctt	tatttgaccc	ttttgtgggt	ttgttgtgtc	900
40	ttttgtcctc	gatacgggct	tcacagtcct	aaccagtttg	aatgttaaac	agaaataaag	960
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<210> 253

<211> 991

45 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

50 <222> (1)...(991)

<223> n = A,T,C or G

<400> 253

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	aaaatcacga	gtcaacgaat	ccaatttctg	atccacgaga	tcgtgaatta	gaagctcttc	180

5	ttggcatcaa	gcccattccac	gttcaagact	gttgctctct	tctctaagaa	aaagccagct	180
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	gacaggagaa	ttttcttgcc	tgatgggtctt	ttggatagat	cagagatccc	agagtactta	300
	aacgggtgaag	ttgctggaga	ttatgggttat	gacccatttg	gtcttggaag	gaagcctgag	360
	aactttgcta	aataccaagc	ttttgaattg	atccatgcga	gatgggctat	gttaggagca	420
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	<212> DNA						
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	cagtctggag	gacgaggttc	ttggtttcat	caaagttggc	tctgagtttc	tctccaaaag	600
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	ttgcacggag	agattcgatc	ccaccgcttg	gttttcgctt	tgaaggctta	cttccaatat	900
	tcatacgtcc	atactccagc	tccggagtag	cgaggcggaa	atactcgacg	aatcgagggt	960
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<210> 258

<211> 989

<212> DNA

20 <213> Arabidopsis thaliana

<220>

<221> misc_feature

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25 <223> n = A,T,C or G

<400> 258

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30	gcactaaggt	gacaaaacga	gatataatac	ttactccctt	tcagcttcca	tgggcacacc	180
	acactctgca	agttttgatg	attggttggg	ttgattcagg	aggaagtaca	ttgtcgtcgc	240
	tggtttggtt	ctcaggggat	ctcctctctg	gtaagtcgca	ctggtttggt	ttgtagatac	300
	acaatctctc	tgtctgctac	atztatgaga	tgtcgtctcg	atccttcttc	atctgacaca	360
	gaagatgcct	ctgagtttga	ttcatcctca	tgggagaatt	caaggcggtc	gggaagagca	420
35	ctaacagctg	taagctgaat	gctttctggc	agaagacaat	tacagaagga	acctactcgg	480
	gccagccgat	taatccatcc	tggaataggc	tttctgttta	gctgcaagca	tacttcttca	540
	gtgaaatggg	tacagttctt	ggcaatcaaa	tggtaagtgt	caccatggta	ctttcttgaa	600
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	taaaccggcg	taagcgcggc	ttctccactg	ctctcatccc	tctcatcact	tgaacatgag	900
	cttgagctca	atgtaggcac	ccacatttnn	ncacaatatc	ccaattcaaa	gtcacgatcg	960
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<210> 259

<211> 989

<212> DNA

<213> Arabidopsis thaliana

50

<400> 259

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	ggaggcaact	ggaaatgtaa	cggaactgct	gaggaggtga	agaagattgt	gaacactctt	180
55	aatgaagctc	aggttccttc	acaggatggt	gtagaggttg	tggttagccc	tccatatggt	240
	tttcttcccc	tggttaagag	cacattgagg	tctgactttt	ttgttgccgg	acaaaactgt	300

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	gagttcgtcg	gagacaaggt	tgcttatgca	cttgctcaag	gtttgaaagt	gattgcttgt	480
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<210> 260

<211> 988

20 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 260

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	tgttgttccc	aagaagatac	tctggacgag	aaagcagcac	acgtcttcgt	tttagattca	180
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	gtccaacttg	tagagttgca	gtgtgtggtt	ggcgacctct	tgcccaaagg	tccaacaaaa	300
	aacacctctc	cctaagaagg	acaatgcagc	accatgtgga	ctccnggagt	atttccaggc	360
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	cctagccggt	ttcagcnna	tannatgacc	acaaatacac	nntgagtacc	aaacgtaaga	480
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	cattccgacga	cgatgcagt	ggcttagtcc	tcttgatatc	gtgcttccaa	ggactaaagc	600
	cagaaaaacc	tgacctagt	gaactttatt	atatcaaaaa	gtaacagaaa	ctttccaatg	660
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	ccgagtcata	gataatggac	caacaatatc	tatagattcc	aaaacacaga	gcgagagaaa	780
	gatagaagga	aattacggtg	ggtccatgaa	cgggatcgga	ggcaatgaat	tcctcgacgt	840
	cggaggaaga	ccaagaagga	agaggcgcgt	cgcgtttggt	gaatctggtg	taattttcga	900
	aaaatgataa	cctatcactc	cagaaatcct	tcaatccatt	ccaatttttc	ccaacaaatg	960
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<210> 261

<211> 987

<212> DNA

50 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(987)

55 <223> n = A,T,C or G

5 <400> 261
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 tttcttagcc atagcatcgg attggatcct tgcaaccttt ctcagctgat tgtcttaaac 240
 10 ccatgcgacc cccttttgcc aggtattgct ggtggtaatt ttctgctctg tagaatttcg 300
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 cttcacgagc tatgcgctct tgctcgtctg tgtagtagta tatacctgat cgatactgcg 420
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<210> 262
 25 <211> 986
 <212> DNA
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<220>
 30 <221> misc_feature
 <222> (1)...(986)
 <223> n = A,T,C or G

<400> 262
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 40 gtagagaatc cgcctcgggt gaggatggat gatatggaag gaatgcctgg aacattgctt 360
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<210> 263
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 55 <212> DNA
 <213> Arabidopsis thaliana

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<220>
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 15 aataagtggg gattattctt gaagagggtc ggtttagtat tcagaggact cggagctgag 240
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30

<210> 264
 <211> 986
 <212> DNA
 <213> Arabidopsis thaliana

35

<400> 264
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<210> 265
 <211> 985
 <212> DNA

5 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(985)

10 <223> n = A,T,C or G

<400> 265

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	catccccgag	cgggtacgag	tctcaaaaga	ggcgagactg	gaacactttc	cttcagtatc	240
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	aagtctcggg	tctaacgtga	gtcgtgattt	ctctgaaaag	tcataaatct	tcaggtgctt	840
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<211> 984

<212> DNA

<213> Arabidopsis thaliana

35

<220>

<221> misc_feature

<222> (1)...(984)

<223> n = A,T,C or G

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<400> 266

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	acaaggcagt	caagcatagt	gcagcattgg	tggctgcttg	tatctccaca	atcgagcatt	720
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	gaactggctc	taacctcata	tcactcgggtg	taagatatca	accagatgga	agctatctca	900

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<210> 267

<211> 983

10 <212> DNA

<213> Arabidopsis thaliana

<400> 267

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	aacatgaaca	tgtcaaagtt	tttctgctca	actaacccaa	aactcacaac	acagaatgat	180
	ctagcaacca	aacaatacat	tgcaagaacc	tgagctctgc	tccttctgat	gcaatctcga	240
	cactgttctt	tgtttaacaa	aaatgggatg	tggcaagctc	tcactcttgt	ttcttcagcg	300
	cagggtcagt	atttgtgact	cctgatgtca	atttcttaac	actgtcttta	gcctctgcaa	360
20	caaacgaagc	gtctggcttg	tgtttatccg	caggttcttt	cagggccaga	cagatgtaaa	420
	acacaataac	tacattgact	gataccacgg	caagaaatcc	actcagtagt	gtcagagaat	480
	gtggagacaa	cgttggtgac	cctgtcgaga	tttaacagag	caaaacgggc	aatttctaca	540
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25	agatgatcaa	acttcattac	atgaactacg	cgtcaaagac	taaactgcct	ttgttacaag	720
	aagtaagggt	acaaccatag	aataacctct	tgtagcattc	cagctccaac	tagtttctat	780
	gatacctaca	aactaagttc	taatcaaaga	agtttgtagt	ttctaaaaag	ttacaatcag	840
	aatttctcta	atctgccatc	agatcccaac	aaccagctat	tctactaaac	caagttccac	900
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<210> 268

<211> 982

<212> DNA

35 <213> Arabidopsis thaliana

<220>

<221> misc_feature

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40 <223> n = A,T,C or G

<400> 268

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45	aaaatacgaa	agaaaagcca	cccacaatct	taaacaaacg	gtgagaaaca	ctaatacaagt	180
	tcaacagtct	ctccatcaaa	cagactccaa	agttgctcaa	cgtcaaacgc	caaagtggcc	240
	ccatgttcag	ctgtcgtcgc	ttcaggaaca	atcgcatcag	cttcttggtt	ttccccagct	300
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	tcatctttgt	tacatgtgat	actattttca	caaacattat	ttttcttgag	tccaaggcat	420
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	ataatgtttt	tctttttcat	tttagactta	caacacgaag	actcatgttt	tttactcaga	600
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<210> 269

10 <211> 982

<212> DNA

<213> Arabidopsis thaliana

<220>

15 <221> misc_feature

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<223> n = A,T,C or G

<400> 269

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	actgggtggaa tctctttcaa cactacagca cccttgactc acattgatga gaagctctgt	180
	tatcaaatcc tgcataaata caagattcac aatgctgagg tgctatttcg tgagaatgcc	240
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	aattccattg ttattagctg caatcttaag cttaacttag acagactact tgctaggatg	420
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	gatgagcctt ttgtcctctc atctgatcga ggtggctgca cagtgggaaga cttctgtaac	540
	cacgtccaca ggactctggt gaaggatatg aagtatgcac tcgtttgggg cacaagcaca	600
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	taagatttac tatgttgat ctgaatccgt tttgtgtgtn nctctcaca tataagtttt	900
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<210> 270

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40 <212> DNA

<213> Arabidopsis thaliana

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45 <222> (1)...(982)

<223> n = A,T,C or G

<400> 270

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	cgattctcag ctcaatctta tcttttctt tgttgtgctg cttttcactc tcttctgcgc	180
	gacgaatttg gccttgttt ttgtttgttt gtcgtatccg acgcggaggt attgagaaac	240
	cgtggcttaa gacggaggaa gaagatggaa gctaaccgga ttgagaactt gacgaatccg	300
	aatcaggaaa gagagtttat aaggagacat cataagcatg agcttggtga taatcagtgt	360
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 <212> DNA
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20 <220>
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	atagatgtgt	ctctctcttg	tagtaaggaa	aagaatggat	tctaaccaga	ggagatgatt	180
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45 <210> 272
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	tagtccatag	aatctttcca	aattaaagtt	ttaatatata	aaaaattaca	caaaccgatt	240
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55	gaataagctc	cctctgggtc	gctaacgagc	tctgaatggc	tgcttgctc	cacaatccgc	360
	ccgtcttgaa	tcacaccaat	gcaatcaaca	cctcttatgg	tggaacaagc	gtgagcaact	420

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5  accacggtgg tccgacctct catgagcctc tctaacgcct cttgcagcac gcattctgat 480
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10 atcgttgctg cgaagagagc tgggtcttct tgaacaagac cgatttttgag ccttagagat 780
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15  <210> 273
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20  <220>
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   <223> n = A,T,C or G

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55  <400> 274

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<211> 979

25 <212> DNA

<213> Arabidopsis thaliana

<400> 275

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<211> 977

<212> DNA

50 <213> Arabidopsis thaliana

<220>

<221> misc_feature

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<210> 277
25 <211> 976
<212> DNA
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<220>
30 <221> misc_feature
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<223> n = A,T,C or G

<400> 277
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45 aagtacttga cggatcacat agaaagtacc aactccaagc aacccagta gtaacagcaa 660
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50 aagagaaatc ttgctgggtg acccagaaga agggagaatc tgagaatggg gaagatagag 960
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<210> 278
<211> 976
55 <212> DNA
<213> Arabidopsis thaliana

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<220>
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<223> n = A,T,C or G

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tccttctcct tcccattctc ctcttcaca ctccgtgaca cagctccgtc tcgtcgtcgt 180
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cttcagttcg tcggaatttc tcggaacatc gctgagagtg tctctgctca tctcaaactc 360
gtgccggagc tttgtggctc cgttaagggt ggaatagtag aagaaccaga taaagcagtt 420
ttaacacaag catggaaatt atggatagaa gaacatataa aagtaactgg aaaagttccg 480
20 ccggggaata agtcagngaa caacacattt gtcaaacaaa ctccgaggaa gaaatccgat 540
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cgtttagtga aagagagcaa agtgggtanct ttcataaaaag gatcaaggag tgctcctcaa 660
tgtggattct cacagagagt tgttgggatt cttgaaagcc aaggagttga ttatgaaact 720
gttgatgttc ttgacgatga gtataatcat gggctaaggg agacgcttaa gaactacagc 780
25 aattggccaa cgtttcaca gatatttgtg aaaggagaa ttgtaggagg atgtgatatt 840
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30

<210> 279
<211> 975
<212> DNA
<213> Arabidopsis thaliana

35

<220>
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<223> n = A,T,C or G

40

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tgaaggctcc tggttctttc acgaacagga atgttgggaa gactcttggt tccaggactc 180
45 agggtagcaa gattgcctct gagggactga aacacagggt gtttgaggat tctcttgctg 240
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aggggaaggaa tgtgttgacc cagttctggg gtatggattt cacaaccgac aagctaagg 360
cattggtnaa gaagtggcag actttgattg aagcccatgt cgatgtgaaa accacagacg 420
gctacacctt gaggatgttc tgcacgcctc tcacaaagag acgtgctaac caagtgaagc 480
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5 ctcggtttttg atggatgata tttattgttt atcatgtttt acctttttta ttatatgtct 960
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<210> 280
<211> 974
10 <212> DNA
<213> Arabidopsis thaliana

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caccatctct tctctctctg aaactctccg gttgcactac catctaggag acaatcattc 180
gttctctctg ctctcttcaa acccaaaaacc aaagctgctc ctaaaaaggt tgagaagccg 240
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aatgagctat tcgttggtcg tgttgctatg atcggtttcg ctgcatcggt gcttggtgag 360
20 gcgttgacgg gaaaagggat attagctcag ctgaatctcg agacagggat accgatttac 420
gaagcagagc cattgcttct cttcttcacg ttgttcactc tgttgggagc cattggagct 480
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25 ctgataggag agattattac cgggaaagga gcattagctc aactcaacat tgagaccggt 720
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30 taaaaaaaaa aaaa 974

<210> 281
<211> 974
35 <212> DNA
<213> Arabidopsis thaliana

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caaaagaatt tagcaaacag aaccacacaa acatataagt cggtaaaaaga gagaaaaaca 180
aaacacaatc aacaatcata tgatcaagtt ctaaactaag aaacactcag acgaaagatg 240
cggcttttgt tactcacaag ctaaaaggctt aaccttgaac ctgtagataa gcattttctt 300
ggtcgaagtc gggttatcaa cagttagcaa aatcctgcc aactctccaa ctttgaagct 360
atgagacacc accagttcat ttttcgcagt catcttcttc ggtttctgaa tgatcactgt 420
45 atacccttct ttgttctccg gcacaaactc cgctccatac gaaacctccc atcccactac 480
tcttatctcc cacacgattg tacattttctc gtaaacaata atctcgacgg tttgtttagt 540
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gcaattatcc acacttagtc caccatactg aaccgggaca tgttcgggtg atatgtactt 660
gagaaggggt tctgcagatc ttgaaggacc tgcgaaaact agtttgctct ttgacctttg 720
50 tgacataaaa ggactaataa ttctatagaa cgcaaggtag caccatggaa cattgatgaa 780
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aatcctccat ctca 974

55 <210> 282

5 <211> 973
 <212> DNA
 <213> Arabidopsis thaliana

<400> 282

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	caagccaagt	acttctccag	cttctctact	tcctctgtgc	ttccaatgta	tagaggaacc	180
	ctctgatgta	tctcagtcgg	ttggatatct	agtactctcg	aatgtccatc	agaacctttc	240
	cctccagctt	gttcaacaat	gaaactcatt	ggtgcacact	catacaacag	cctaagtttt	300
15	ccattttttg	tctttgcgtc	acgaggggtac	ccgtaaatacc	caccatacaa	taaagtcctg	360
	tgaaaatctc	caaccaaact	tccaatgtac	cttgccggagt	aaggtctccc	agttggacca	420
	gggtccttaa	gatcatcaat	gtacttcttt	agtttatcgt	cccacatctg	gtaattccct	480
	tcgttgaaag	agtagattct	cccggctttg	gggatctcaa	tgttttcttg	cgtgaggaca	540
	aactcaccgt	acattggatc	gagcgtgaag	gagaaaacgc	ctttgcctag	agtaagaacg	600
20	aagatgaccg	agctcgagta	catacagtag	ccggctgcta	acaagttggt	ccctggctgg	660
	cacacgttta	ctatacacct	ttgttcttct	gacccaagag	ctgagatata	gtcggagtcg	720
	tcgacaatgc	attcgtcatt	ggggctatag	ataccgaaga	tagaaccagt	agagacggca	780
	gcgtcaatgt	tggaggaacc	atcaagaggg	tcaaacacga	cgacgtagtt	gccggagtaa	840
	ctctctcca	ccgcaactgg	cacgtcctct	tcctccgagg	ctatgattcc	cgttcttcca	900
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<210> 283
 <211> 972
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 35 <222> (1)...(972)
 <223> n = A,T,C or G

<400> 283

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	gttgataaga	cttctacttc	ctgacgatat	tgagatcgat	gtgtacatac	gcaagcgann	180
	nacaaatact	aagaagaaag	ccgatacaag	catgaatgg	tcgctagca	tgtatattgg	240
	tttgaatgta	tagtacacct	ggaaggggtac	gttgtgagtg	ggaactacgt	tatctttttg	300
	caacacaacc	acggttcttc	ccacaatgtc	aaggtatgag	tatttgacct	gcaactcttg	360
45	attgactgta	aagggcaaaa	cagcagaagg	gtcctttgat	ccttcaggaa	gcacgacttt	420
	gatagtcaac	ttgttaacaa	tagtttcgac	gagcggggc	ccaaaggtaa	agttcaagta	480
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	aaaagttgca	ctccaccctc	caaataatgg	gtagcgggg	tcaaattcaa	gttctgactt	600
	tctaaagcct	gtacgcaaat	gtgaagtaga	gatgtttcct	atctcatccc	tgtagtagac	660
50	agagttcact	ctgggaggta	ggactgcaag	gagcgcattg	aaagaggatg	caccactgac	720
	cgatcgttta	gattgataat	caacccttga	gaaaacaccc	ttatgcctcg	ctcccccatg	780
	agtcaacct	taattttctg	taactctgaag	gtacccccag	tgtgaaatct	caatttcacg	840
	cacaagctcc	tcaacaacag	caaatggact	gttattctcg	aagtgaatga	tgacaggtgt	900
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55	agcaggttca	at					972

5 <210> 284
 <211> 972
 <212> DNA
 <213> Arabidopsis thaliana

10 <400> 284
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 aaccacccaaa gttttacatg aaacgaaaca ttgaacttct taagcataac agagacgaga 180
 tttagaaacc accacgaaga cgcaggacca agtgaagagt agactccttc tggatgttgt 240
 15 agtcggccaa agtacgtcca tcctcaagct gctttccagc gaagatgaga cgctgctggt 300
 cgggaggaat accttccttg tcctggatct tggccttgac gttgtcaatg gtgtcggagc 360
 tttccacttc aaggggtgat gtctttccgg tcaaagtctt gacgaagatc tgcatacctc 420
 cagcgagacg caacaccaag tgaagggtcg actccttctg gatgttgtaa tccgccaaag 480
 tacgaccatc ctccaattgt ttccggcaa agatcaacct ctgctggctc ggagggattc 540
 20 ctctcttatc ctggatcttg gccttcacgt tgtcaatggt gtcagagctc tctacctcca 600
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 agaccaagtg aagtgtggac tccttctgaa tgtttagtgc agccaaagt tttccatctt 720
 caagttgctt tccggcgaag atcaatctct gctggtccgg tgggataacc tctttgtcct 780
 ggatcttggc tttcacgtta tcaatggtgt cagaactctc cacctccaaa gtgatggtct 840
 25 ttccggtgag agtcttcacg aagatctgca tacctccacg cagacgcaag accaagtgga 900
 gtgtggactc cttctgaatg ttgtagtcgg ccaaagttct gccatcttca agttgttttc 960
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<210> 285
 30 <211> 971
 <212> DNA
 <213> Arabidopsis thaliana

<400> 285
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 40 cggctagagc ctgtcctcat cgatccttca ttcacggag aagatccatg tgctgcaaat 360
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 45 cctgactata gcaccatagt ctcccgaatc attgggtatcg tgttactatg ggtaatgcag 660
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 gtgactaatc tgtcgttctt cgaacccttc gaggatgatc tctcgattta ccgtgacctc 780
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 aacactatct atctttcttt ggtattgggg aatgcctctt cttgtcttgt tgtaattttt 900
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<210> 286
 <211> 971
 55 <212> DNA
 <213> Arabidopsis thaliana

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<220>
<221> misc_feature
<222> (1)...(971)
<223> n = A,T,C or G

10

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tccaagctat ggattcgagt cacgttgctc tgggtgtctct cttgctaaga tccgaaggct      180
15 tcgaacacta cagatgcgac aggaatctct ccatggggat gaatctcggc aacatgtcga      240
agatgtctaa atgcgccgga aatgatgaca tcaccacat caaggctgat gacggcggcg      300
acaccgttac cttcatgttt gagagcccca cgcaagacaa gattgctgat tttgagatga      360
agttgatgga tatagacagt gaacatctgg gaatacctga tgctgagtac cactcaatcg      420
tgaggatgcc ttccaatgag ttttccagga tttgcaaaga tctcagtagc attggtgaca      480
20 cagttgtgat ctctgtgact aaannnnnncg tgaagttttc tactgccggt gacattggaa      540
ccgctaacat tgtgctcagg cagaacacaa ctgtagacaa gccggaagat gcaattgtga      600
tagagatgaa ggagccagtg tctctctcat ttgccctgag gtacatgaat tccttcacaa      660
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tgaggtataa ggttgctgag atgggttaca ttcgttacta cttggctcct aagattgaag      780
25 aagaagaaga cactaatccc taagaccctt tttatatcca caatttctct tcattctaaa      840
atgttgaaga tttattgaca atgttgggtg ttttttttgg tgagattcct ttgtatcccc      900
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aaaaaaaaa a                                     971
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30

<210> 287
<211> 971
<212> DNA
<213> Arabidopsis thaliana

35

<220>
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<223> n = A,T,C or G

40

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<400> 287
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aagtttctga ggactctaac aacccttgta tcgcgactgg atatgctggc acctacaaat      180
atggaggaaa agcgtttaaa gctgcagctt ctccatccgg tgcaagtcta gatgagtgcc      240
45 ggcgagtagc tattaacgca ctcaaagtca ataattcatt gtgtacacac atgaaatgca      300
cttttggtgg agtatggaat ggtggaggcg gtggtggcca gaagaaaatg tttgttgcat      360
catttttctt cgatcgagcc gcagnggctg gttttgttga cccaaaccaa cctgtggctg      420
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aagggaaatc gaagttccca cgtgtggagg aagataatct tncntacttg tgcttgatc      540
50 ttgtttacca atatactctt ctctctgatg gattcggatt gaagccatca cagacaataa      600
cgttagttaa gaaggtgaaa tacggagatt acgccgtgga agctgcgtgg ccactaggaa      660
gcgccataga agcagtatcc tcaccatgag gaaggcaatt ttgggtattt gcactaaacc      720
tcttattctt ttagtcttc ccaaaatcac cccaagcttt ttttgcctta cctcaaattt      780
tttttatcgt caacatcttc cttactatca atttttgtta caataatcat ctagagaaaa      840
55 gagtttcaat tcttaataata cctataattt tatttttctt gtaatctaaa ctgcttaccg      900
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5 catacgtaac ctctgtttct ttcttataaa atattttcct tgcgttaaaa aaaaaaaaaa 960
 aaaaaaaaaa g 971

<210> 288
 <211> 970
 10 <212> DNA
 <213> Arabidopsis thaliana

<220>
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 15 <222> (1)...(970)
 <223> n = A,T,C or G

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 cgatgagtga acagataaca ttgatttact atatgaaaat aagtgatgtg attttttaac 180
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 25 cgagataacc tcaagctttg ctagcaatgt tgttggaag ccaatccaga ccttcataga 420
 gcccttcacc gctagtgtcg catgtgcttt ggatgtacca ggggcgttgc cggannnnnn 480
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 30 gagtgttttg gaagtagtgt ctccacaagg gacggatctt gtcctgacct cgcacatccc 720
 aaaccgtgaa gctgatgttc ttgtactcaa ccgtctccac attaaaccgc atgggtgggaa 780
 tgggtggtgac aatctcacca agcttgagct tgtacaaaat ggtggtctta ccagcagcat 840
 caagaccaac cataaggatt cgcattctct tcttggaaga aagccggcta aaaagctttg 900
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<210> 289
 <211> 970
 <212> DNA
 40 <213> Arabidopsis thaliana

<220>
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 <222> (1)...(970)
 45 <223> n = A,T,C or G

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 50 ccaccgggtca aagcaaataa ctctctgtca atgacaatgg agaaacaata taaagatttg 180
 aggagtagga acgatagttt caagtcgttt aaggaggaga ggactcctca tggaccagtt 240
 cctgattatc aaaatatgca gcacaacaga aacaatcaaa ctggtgtgag aatttcacac 300
 tcaggtccat tgatgagcaa ccggaacatg gctaagtcaa caatgcatgt gaaggagaat 360
 gcacttccta gataccctcc agctagagta aaccggaaga tgttatcagg ctcagtcctc 420
 55 tccaaaacat tattagaacg gcaagatcaa ccagtcacga accaaagaag aagagatcgg 480
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	ggcgtcttgg	aggatgaagc	gtggctttga	tggttgagg	attgccccaa	tgaggaggat	780
	tgtttaggaag	atgatgaaga	ggacgaagat	tattgaccaa	aatattcgcc	ttattagttt	840
	ccggcgagag	tggccgtggt	tttcacagtc	tttcatgggt	gttggttttt	ttctttctcc	900
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<211> 959

<212> DNA

35 <213> Arabidopsis thaliana

<400> 314

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	catgtgtcta	attcaatgct	tccgaatcaa	gcacaagctc	cccagacaca	tatctctccc	600
	gatgttcagt	caacattgct	ccagcaagta	atgaacctta	cgccagaaca	gttgagatta	660
	ctgactccag	agcaacaaca	agaggtctta	aagctgcaac	aagccctcaa	gcaagaccac	720
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	gatcaaaaag	gatatttttc	cgcatacaaa	tcaccataga	aagaagaagg	ctctctcacc	840
	tgaattgagg	tgagtgattg	tacgattagt	gtagcattta	tttgtgctga	gtttgtctta	900
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10 <222> (1)...(959)

<223> n = A,T,C or G

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	tccaccacct	tcagatcagc	cactgttgct	gccaatggag	acgggtttat	ggcacaagac	180
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	cacacgttga	gacaattcta	ccgcgacagc	tacatcaccg	gtaccgtaga	tttcatcttc	360
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	atccaaaaat	gtaagataac	ggctagtctg	gatcttgctc	ctgtaaaagg	atctgtgaaa	540
	acgttccttg	gtcgaccgtg	gaagttgtac	tcaagaacag	tgatcatgca	gtctttcatt	600
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	ttttaatgtc	tacttggtct	tgtactttgt	gttggtgttac	ctctgtttta	gtttgatgta	900
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<210> 316

<211> 958

<212> DNA

<213> Arabidopsis thaliana

<400> 316

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	agcccatctg	gtaagctggg	gcagatagaa	catgccctta	cagctgttgg	atctggccaa	180
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	tctattctgg	ttgatgaagc	atctgttcaa	aaaattcagc	atttgactcc	taatattgga	300
	gttggtttaca	gtggcatggg	tcctgatttt	cgagttcttg	ttaggaagag	taggaaacag	360
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	acagtcttaa	agagttgttt	tttctgtaaa	actttggatc	tttaaatagt	ttgttgctga	900
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55 <211> 957

<212> DNA

5 <213> Arabidopsis thaliana

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<222> (1)...(957)

10 <223> n = A,T,C or G

<400> 317

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	catagtcgtc	caggaaaggc	ttcatcgtct	gattcgcgtt	catcatcaga	actctctatc	240
	cccagcaa	agttgacaac	ctggtgagtt	gttatgaggt	cgagtggcct	gttgccctgat	300
	ttcaaccgac	attgtttggt	cagacatctc	aagttttcgt	gccaaacaat	agaatcacag	360
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	tttttgggtg	atagagagta	agcaagattc	aatatggagc	ttagttcatt	gcaagcaaat	900
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30 <210> 318

<211> 957

<212> DNA

<213> Arabidopsis thaliana

35 <400> 318

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	gttaaggcga	gtagaacatc	ataagccttc	tttgaaggac	ggtaccagat	catctctggc	180
	agaatgttac	cgacttggtt	tgttttgttt	ctcatttctt	cagagctttt	acatgaaatc	240
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	atcagttacc	attagtccct	tgtaactcct	catctctgat	tgctctcct	tctcaagcct	360
	atctatctct	tcacgtttct	tcttctccct	cagatgttgt	ttcctctctg	ccctttctgc	420
	ggcattcact	gcttctctct	cggctctcag	atcaggggtt	ctttcaactt	ttgttttggt	480
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<211> 956

55 <212> DNA

<213> Arabidopsis thaliana

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	tcgcttgggg	attttccttc	taatgaggat	cttgcaatgg	ggggaagatc	gtcgctttga 180
10	tgaacagcgt	ggaaatatag	tgagactaat	cattttcttg	actcttcagg	ctgtgtgggt 240
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	accgcagat	gttatcgggt	ggactatgtg	ggttttcggg	ttcttgattg	aagctgcagc 360
	tgatcaacag	aagctatcat	tcaaaaaactc	tcttgaaaac	agaggaaaat	ggtgtgatgt 420
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20 <212> DNA

<213> Arabidopsis thaliana

<400> 322

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<212> DNA

<213> Arabidopsis thaliana

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25 <213> Arabidopsis thaliana

<400> 341

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<212> DNA

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	caccaataacc	cgatcgtaaa	cttgattgtc	tagcagaagt	tggaagggtg	agcttgagct	240
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	ggcaatccct	tagcatctac	acagaccaca	ttcgacagtt	tcagtcccaa	ctgtgcttct	360


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   atcattcccc cggagtttct cactctcgtc ctttcgaatc cagaggaata cgagaaactc      300
55  ggttcttacg ctttagttgg tcttcagct tcttacaagg aacgattcgt tcagccaggt      360
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	ggagaagcaa	aggactcttg	ttccttagat	cttcttctct	gtactcaa	tcaacacctt	840
10	tctccctcaa	tgcgatcctt	gtcctcatcc	cgaacatact	cggccagaaa	tcaagaagaa	900
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<210> 349

<211> 944

15 <212> DNA

<213> Arabidopsis thaliana

<220>

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20 <222> (1) ... (944)

<223> n = A,T,C or G

<400> 349

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	caaaaacgct	ttgaagtcgc	ttgtatcgaa	ctacacttct	tgggatttgg	ttggagagat	180
	cagaacggac	tgtcatagct	acggtccatc	cggctcgacc	tcggttccat	cacaaggcgt	240
	gaccgtagg	tacacttgta	gacaagcgaa	ccccgagaga	cacaagtcga	taatccgccc	300
	tgagttgctc	acaagctcat	tgctcaatga	agtacatcat	tttcagttga	aagnnnggagt	360
30	ggggcatatg	agtttgggtg	agagtgttgc	ggtagtgaac	cattacaagt	accaagtttg	420
	ggacactttc	aaagctaagt	tttacagaag	agtggctact	tatgttggtg	actggcaaga	480
	gaatcagaat	cnnnnntcta	aagatcgagc	tccagggtct	gggacagagg	caatcgagcc	540
	gccggatttg	aaacgacggt	tctgtgaagt	gtgggacact	ggattgaagg	atttggttat	600
	gtcgaatttt	gctgatcaag	tgactggtta	tctgccgtgg	cagaggcaac	aacaagaatg	660
35	acttttagtt	ggtttctgat	tcagcagcag	gtgtacattt	tatttacatt	tgacaaggat	720
	acatacaaaa	tctacatcaa	tatttctttc	ttttgttact	tacatttttt	tttttggttt	780
	tgttgattgg	tgggggataa	agttggctta	taatatcttt	tgtttcttag	agtttaccac	840
	atgtaaattt	cggtaacact	gctaaatccc	tttttttttg	tttttctttc	ttgttcttat	900
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40 <210> 350

<211> 944

<212> DNA

<213> Arabidopsis thaliana

45

<220>

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<222> (1) ... (944)

<223> n = A,T,C or G

50

<400> 350

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	ttaaactaca	aaaggaaaga	gaacacagag	gtggcaacat	tacattaaga	ggtacattta	180
55	gttccacttt	tattaaacct	ctcataaaaac	acaaaccaca	tcaccaagaa	gatgaacaca	240
	tcttaagctg	ggaatgaata	cttggaacaa	gtctccttcc	acgcaggacg	gctgctaata	300

5	gaagtgaagc	ggcggattga	ggagacgcgg	gctcagatgg	ttgagatcga	agcagaacgg	720
	ttgaggatgg	agaaaatggg	attcaaaatg	gagaaattta	aagggaaatc	gtttatagat	780
	gagcttctgt	gagtttgagt	tgtgtgtgat	gttgtagta	gtaagccaag	ggtagtaggt	840
	aatagcacia	aatcaaaaat	gctctaataa	atgagttttt	aagggttaggg	tttttaagta	900
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<210> 353
 <211> 942
 <212> DNA
 <213> Arabidopsis thaliana

15

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	aagtgtgtcc	gggaattgtt tcttgctctg atatcttggc acttgctcgt agagacgcaa 180
20	tggttgact	tgaaggacca tcatgggaag ttgaaacggg aagaagagac ggtagggttt 240
	ctaactcaa	cgaagtcaac ttgccatcac cttttgataa catcaccaag cttatcagtg 300
	atthtcgttc	aaagggcctc aacgagaagg atctagtcac tctctcaggt ggtcacacia 360
	ttggaatggg	acattgtcct ttattgacia accggcttta caacttcacc ggaaaaggag 420
	acagcgacc	aagtttggac tcggagtacg ccgctaagct caggaagaaa tgcaagccca 480
25	ccgatacgac	gacggctcta gagatggatc cggggagttt caaacattt gacttgagct 540
	acttcacgct	agtggctaag agaagaggac ttttccagtc ggatgctgct ctactcgaca 600
	actccaagac	tagggcttat gtcttgcaac agataagaac tcatgggtca atgttcttta 660
	acgactttgg	tgtctctatg gtgaaaatgg gtcggactgg agttcttacg ggtaaggccg 720
	gggagatccg	taagacgtgt cggctctgcta attagagat atagaaatga aaatatctca 780
30	atatatgtga	gtttgattat tattgtttgc ttcttttatt ttgttgatc ccctatatta 840
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 <211> 942
 <212> DNA
 <213> Arabidopsis thaliana

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 <223> n = A,T,C or G

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	taaaagtaca	acataacaag aaaacccaaa gaaattgaga tctcaaacc aaattacaac 180
	gcctttttat	gtatcaaattg aaacatgtaa cttaaaggctg cacatatgca gattaacctc 240
	ccattaccaa	atagatcatg aaactaacia atttcttgaa gaaacgaaac ttttgagtc 300
50	gtccagagac	tctcaacgtt ctacatcgat taagcgggac atttgagtc agatggtgga 360
	gtttttccac	agtcgagaag aagctcaaga gcaatgggga gaacaaggtc gatgttgaga 420
	agtttgagct	taatggtggt acatagacia acggctcgtg ctaggctcaag taaacctcct 480
	aaaaccggac	aacattctgc cttggcgtgg ctttttccaa gtccgatgtg aatcaaacct 540
	ccaagaacgt	ccacacaagc gcctagcttc agcgtgtcaa ttgggcaagt ctctggaata 600
55	ggcgtaggag	gagttggtgt tgggtggtgt actacgggtg gtgttggtgt tggaggtgtc 660
	acgacgggtg	gtgttggtgt tgggtggtga atgacgggtg gagttggtgt tgggtggtga 720

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	ggtgggcatg	gtgtaggcgg	aggcttgtgg	tgggggtggt	tccgagtaga	cggaggaggc	900
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10 <210> 355
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 <212> DNA
 <213> Arabidopsis thaliana

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	cctcgaagct	tctctttcgt	caactctttg	agaacgaatc	ttccaccttt	acttatcttc	180
	tcgccgagct	ttctcatcct	gataaacctg	ctttgttgat	tgatccgggtg	gacaagactg	240
20	tggatagaga	cttgaaactg	attgatgagt	taggattaaa	gcttatctat	gctatgaaca	300
	ctcatgtttca	tgctgatcat	gtcactggta	ctggacttct	taagacgaag	ctcccgggtg	360
	tgaaatccgt	tatttcgaaa	gcaagtgggt	ccaaagctga	tttgtttctt	gaacctgggtg	420
	acaaagtatc	tattgggtgat	atataccttg	aggttcgtgc	tacacctgga	cacactgcag	480
	gatgtgttac	atatgtgact	ggtgaaggag	ctgatcagcc	ccaaccaaga	atggctttta	540
25	ccgggggatgc	tgtactcatc	cgtgggttggt	ggaggactga	ctttcaggaa	ggaagctcag	600
	atcaactcta	cgagtctgta	cattcacaga	tatttacatt	gccaaaggac	acattgatct	660
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	accgcgctct	aactaaagat	aaagaaacat	tcaaaaccat	tatgtcaaat	ctgaatctgt	780
	cgtatccgaa	gatgattgat	gttgacgtac	cagcaaatat	ggtctgtggg	ttacaagatg	840
30	tgctttctca	agccaactaa	aaaaaactct	tacatataat	gtttgtcttt	ttatcgatgt	900
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<210> 356
 <211> 941
 35 <212> DNA
 <213> Arabidopsis thaliana

<220>
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 40 <222> (1) ... (941)
 <223> n = A,T,C or G

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	ctcataatca	tcaattgggtg	gggttgctgc	ggaatgaagc	caaggctttg	attgctgcag	180
	ctctcaagat	atattgatgg	tatgnnnctg	ctgctaattg	tcccacgaat	ggtccaaccc	240
	aaaagatcca	atggctcgtcc	caagctttct	cattgtttgta	gataacagca	gcaccaaagc	300
	ttctagctgg	attaatccca	gttccagtta	tggggatagt	agccaaatgc	accatgaaca	360
50	cagcaaattcc	tataggtaac	ggagccaaaa	ccgggacgtg	agagtcacgg	gcacttcttt	420
	tggggtcagt	ggcagagaag	acagtgtaaa	ccaagacaaa	tgtgccgata	atctcagcac	480
	caagagcagt	tccggtgcta	taaccatcag	ctacgggtgt	agctccgcct	ccgagacgtt	540
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55	atgtcacagc	tgggttaatg	tgacctccgg	agataccggc	ggtgcaatag	acgaggacaa	720
	agatcatgcc	accaaaggcc	cacgcaatgc	cgagtaaacc	aacaccgcca	caaggaccgg	780

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	tgaactctgc	gatgatagct	ctgtagaaag	accagagctt	aagctcagcc	atgtctagaa	900
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10 <211> 941

<212> DNA

<213> Arabidopsis thaliana

<400> 357

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	ctttttcagt	ttcattttatg	tatcaaaaaga	caacaagacg	atacaaacaa	acaggaccaa	180
	tgagtctggt	ttgcttcac	aggcagcctt	actaggcttt	tttttgtgaa	gctgcagatc	240
	taatggcggt	ttttgcaagc	gtcgaaggct	tgagtacact	cttcgggtta	atagcctttc	300
20	tgattttgaa	agcaaccag	gctgtgcca	gcgcataatc	tgctgcatcg	agcccttcgt	360
	ttgtcgcttc	agccgcttta	ccaccatact	tgtgatcaac	gagttcggtt	gtaacagtgg	420
	aagaggttga	cattacattc	ctcccagcta	cttcaacagc	gtcacagacc	ttattgaatc	480
	cgtcaagaga	tgcaaggatg	acttctccag	gaagaaggct	gaagaatttc	tttcttactt	540
	tggtgtttgc	aactgaactt	gtgaaaaatc	cagaaacttt	aaggactcca	gacagtatgc	600
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	gtcctgagcc	agttgcaatc	agcttcgccg	ccttcccgc	ataatcctcc	acattcggag	840
	ccaaagtcgt	ccaataagca	gaacattgcc	tctccacaat	ctcttttcctt	tccccagtaa	900
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<210> 358

<211> 941

<212> DNA

35 <213> Arabidopsis thaliana

<400> 358

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40	aaaaagtcag	attcagatac	atacatactc	tgaagaacat	gtcgacgcga	agacgaactt	180
	tactcaaagt	tataattctt	ggagacagcg	gggttgga	aacatcggtg	atgaatcaat	240
	atgtgaataa	caagtttagt	caacagtaca	aagctacgat	cggagctgat	tttgtcacta	300
	aggagcttca	aattgatgac	aggcttgtca	cattgcaaat	atgggacact	gctgggcaag	360
	agaggtttca	aagtcttgg	gttgctttct	atagagggtg	agattgttgt	gttcttgtct	420
45	atgatgtgaa	tcacttgaag	tcatttgaat	ctctcgacaa	ttggcacaac	gagtttctta	480
	cacgggctag	tcacgtgac	ccaatggcat	tcctttttat	acttcttgg	aataagggtg	540
	atattgatgg	aggaaatagc	cgagtggat	ctgagaagaa	ggctagagaa	tggtgtgctg	600
	aaaagggaaa	catagtctat	ttcgagacat	cggctaaaga	agattacaat	gtcgatgact	660
	ccttcttgtg	catcacaata	cttgcccttg	caaatagaac	cgaccaagat	atatatttcc	720
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	aacatttctt	actctcttga	tttatgcatt	acttgttgtg	tgtgtctata	atcttaatgc	840
	tgagaaggac	caataaaaact	tgtattgttc	cctaagtaag	gttttggttac	ctttctgggt	900
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55 <210> 359

<211> 941


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5  <212> DNA
   <213> Arabidopsis thaliana

   <220>
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   <223> n = A,T,C or G

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   tacgagcgtc aatactgcga gctctcaacc aatctctcta gaaaatgtca ctctgcatcg 180
   gttctctcca acggagagga gaagaagggg aagattgctg agatcaagtc tggaatagac 240
   gaagctgatg tcttgatccg gaaaatggat cttgaggcaa gaagtttgca gccgagtgtc 300
   aaagctgtgt gtctttctaa actaagagag tataaatctg atctgaacca attgaagaag 360
20  gaattcaaac gagtctcttc cgcagatgct aagccgtctt cccgtgaaga gttgatggaa 420
   tccggaatgg cggatctgca tgcagtatct gctgatcaaa gaggaagatt ggcaatgtcc 480
   gtggagaggc ttgaccaatc aagtgcaga atcagggaga gtagaagact aatgctggag 540
   acagaagagg ttggcatctc aattgtccaa gatttgagtc agcaacgcc a nccccctctt 600
   catnnncaca acnagcttca tgggtgtggat gannncattg acaagagcaa gaaggtgttg 660
25  acggctatgt caaggagaat gactaggaac aaatggatca ttacatcggt aatcgtggct 720
   ctcgttctcg ccatcatctt gatcatctca tacaagcttt ctcatataa ctcaaaaaac 780
   attattcatc gtgattgtgt atatatatat gatggttgat ttactttgta atggcccaag 840
   tggttacttg tatttttaag tacgatgttt gtattgaagt ggcaacactt ttaacattca 900
   taagggtttcc caagtcaaaa aaaaaaaaaa aaaaaaaaaa a 941
30

   <210> 360
   <211> 941
   <212> DNA
   <213> Arabidopsis thaliana
35

   <220>
   <221> misc_feature
   <222> (1)...(941)
   <223> n = A,T,C or G
40

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   gcaatcaaat ccctacttgg cagttggcac tggacctacc agctttccac cttttggcta 180
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   taaattctct ggggaggcct ttgtggtgtt tgccggccct atgcaagtcg agattgcctt 360
   gcaaagggac agacacaata tggggaggag atacgtggaa gttttccggg gctctaagca 420
   ggactactac aatgcggttg ctgctgagga gggagcgtat gagtatgagg tacgtgctag 480
50  cccaccncnc accgnnnnat ccagggcaaa gaggtttagt gagaaagaga agcttgagta 540
   cacagagggt ttgaagatgc gannnctccc ttactcgggt aacaaacctc aaatcataga 600
   gtttttcacg ggggtacaagg ttatccaagg acgggtacag gttgtgtgtc ggccgtgatg 660
   gaaggccacg ggagaggcat ttgtggagtt tgagacgggg gaggaggcga ggaggccaat 720
   ggctaaggac aaaatgtcga ttgggtcaag gtatgtggag ttgtttccaa ctacacgtga 780
55  agaggctcga agggctgagg ccagatctag gcaatgactc tttccttcac tatgtatcat 840

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5  tatatatatc ctttggacca attttgttag gttaaaaccc aaaatgttta tcagtggaat      900
   catagtaatg taagacctgt gtgggtcagt ttcaaaaaaa a                      941

   <210> 361
   <211> 941
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   <400> 361
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   ctttctaata agaatgaaat aacccaaaaac agcaciaaac gcagcaacag cattgccttc    180
   tttcaaaaga accttaaaaca caaatccaaa cacttctctt gtaatcttac gagcttcaac    240
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   caccataacc gccggaaccg caaccgcagc cgccgcaacc atcgacatgg ctccaaacac    360
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   ttagttcacg tgagtccac tctcatgtta aagcgcgtgt taatcactcg ttggtttaga    840
   ggcttgtagt ggagtacacg cgcttaagtt tcgttttatt tattgatttc ccccaaaaga    900
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   acacacaaac aagttctaga caaacaaaaa aaaaagagaa aaagcaaaga gattgnaact    180
45  tgagatcggc gccacgaact gaggtttatt actgatagta catgagttgc tgtgcggcgg    240
   ctacattctg aaagccacca tcatacatgg ctgcagttgc tccagcggca tttattccat    300
   gagcctgcct tagaggggtg tgaccctgtt gatgcattaa cgcattcaca cttgccatct    360
   tgctaagtgc caattgcctc tcatagttta ggagatcagc tgcagataga ccaggaactg    420
   gagctggggc aggtggggga agtggggttg aggctgtacc tgggtggagt ggcttgtttc    480
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   caagagcagc ttcgggatga gtgttatatc tcacgaaacc aaagcctttg tctcgttgga    600
   cacggacctn nnnnntaact ccagcgccaa gagcatggaa gtaacggtgt agatcaagct    660
   gagttaccte tggagcaagg tttcccatat aaacagtggg aaactgagaa ttattttcag    720
   gtgtttcttc atttaatgtc tctttaccat cctctgatga gccagttgta agttccacaa    780
55  cactttttcc atcagaactg agcttatcat caccagaagt agcgcccttc gtggcccagt    840

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5 tgcattctgat ttgtctgcta cttaaccact taccattcat ctcattaatg gcagtttgag 900
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<210> 363
<211> 939
10 <212> DNA
<213> Arabidopsis thaliana

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	gatgattcga	aattacacaa	acggaaatta	aaaagacatt	aaaattcaaa	ttcaaagtcg	180
	aataaaaatta	cacaagagag	aaaaagagag	attaattcag	tagtctgtgg	ttgggagctg	240
55	ctcgtgcgtg	gtgttgatga	agaaaacttc	gtagatgagt	ccagcgattc	caccgccgac	300
	gagagggtccg	gcccagtaga	cccagtggtt	ggtccatgtc	cagctcacca	ccgctgggtcc	360

5	gaaagccacg	gcgggattca	tggaggctcc	agagaaagct	cctccagcta	agatgttggc	420
	tccaacaatg	aaaccgattg	cgatgggagc	aattgttcca	agactcccgt	ttttggggtc	480
	aatggctgta	gcgtagacgg	tgtaaacaag	cccgaatgtc	atcacgatct	cgaaaacgaa	540
	agcgttcaac	actcctactc	cagcagagag	accaaaagcc	ggcacagcca	agccaccggt	600
	ggcgaattta	aggatgaggc	aagcgacgac	ggagccgaga	agctgagcaa	tccagtagag	660
10	gataccacgg	aggagagtga	tgttaccacc	gatgaaagca	ccgaaagtga	cggcaggggt	720
	aacgtgtcca	ccagagatgt	tggcaccaac	tgagacagcg	acgaagagtc	caaaggcatg	780
	agccagtgcg	gcagctacga	gaccagaagg	agtgggtggc	ccgtttttcag	tgagcttggt	840
	gaaagccatg	ccagagcctg	aaccggcgac	gacaaagatc	aaagttgaaa	tgaactcagc	900
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15

<210> 374

<211> 934

<212> DNA

<213> Arabidopsis thaliana

20

<400> 374

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	cgttacatat	acattcacag	gaacttacat	acagagaaga	gaagatcact	tatgggtgctg	180
25	cctcttcctt	ttgcatctgt	tcgataagag	gctcgagaat	acaagacttt	ggattccttac	240
	ccgggtggacc	tttttctctt	cgttcaagct	cttcaagcct	gaaagtaatg	agacgggtccc	300
	agtttctctc	ttcgaacaag	acaccagctt	ttccatcagt	gatcctctgc	acaattccac	360
	aatacatgtg	atacggactg	ttctggttct	tgactatagc	aatcatcccc	ggcatgagaa	420
	ggggtagctt	gggcgctttc	ggcttcttat	ctgtagcaac	cgcggtatgca	tcgcttcctt	480
30	gtttttgcagg	tggtgggtgg	ggaggagggtg	gtggattttt	ttcgataaac	gttttttaaac	540
	ccttttcgcc	accgggaaat	cctcctgtga	gacccatcat	ctctttctcg	aaaccatctt	600
	cagggtacttt	aaaagacaag	ttactgtcat	cgctctctct	ctctgtctcg	ttgttctcag	660
	cctttgatgt	ctcttgctcg	tcttcaatgt	tctctggag	ctccttctca	atacctttct	720
	ctccgttgca	taatcctctt	cctcccatca	cttcccatag	attgaattta	cccatggcct	780
35	ttacttgata	cagttttgac	tgctgttttg	gaggcgggaa	aaccgaccgg	tttacagttg	840
	aaaattgatg	tgtttgccct	agaaattttg	atcgatgaat	cggagttcta	atggtcggga	900
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40 <210> 375

<211> 933

<212> DNA

<213> Arabidopsis thaliana

<400> 375

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	ttagaagaag	gtttcttgga	tccacgtccg	gctataaact	cctgcatctt	tctaaactgt	180
	tccttcgtca	tcccactgta	atacgcgtga	gctcgctcct	tttctagtgt	gagagcatgc	240
	ccaagatcaa	gcttaagtcc	atcattgata	acggatttaa	tcctcagaac	catgccttgt	300
50	tcattcttga	ttatagcctc	tgcgattttct	ctagctttct	ttaacgcttc	tccttcttca	360
	accacatggg	ttacaaaccc	taacttccca	gccacgtctg	ctgtcagtgg	catcgatggt	420
	aaagaaactt	ctcgagcttt	gtttgctccg	atgatcctcg	acagcttctg	agacaaaccc	480
	catgaaggaa	atatcccaaa	cctggcggtga	gtatccatga	acttagctcc	tctagaagcg	540
	accaaaatat	cacaggccaa	ggcgagttca	aaccggcg	tgatggcaaa	accgttaata	600
55	gtcccgatga	tcggtttacg	taaccgctcc	atctgcacaa	ccgggtcggt	ttccggatcc	660
	ttcacgtctc	ctttgaaaac	agactccgcc	gcagtcaaat	caacgccaga	gcagaaagat	720

5	cgacctgatc	cggtgaaaat	cacgacctgg	accgattcgt	cggagtcctat	atccttgaat	780
	gccttggcga	gatcaaccat	catcgctctc	gtgagtgaat	tgagagattt	cggacggttg	840
	attgtgatga	cggcgatccc	gcctgattct	ttcttcacct	gaatgagatt	ttccgatact	900
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10 <210> 376
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 <212> DNA
 <213> Arabidopsis thaliana

15 <220>
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 <223> n = A,T,C or G

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	actcgttctt	cactcgctgc	gacacaagac	ggcggcggtc	aacggagtcc	tcgtcggtag	180
	aatcagccct	aaggacgacg	gagttgtaga	gatctcagat	tctgtgccgc	tctttcactc	240
25	taacctcgct	ctccttcctc	ctctcgagat	ctccctcatc	atgatagagg	agcattatgt	300
	ggctcaagg	ttaagtattg	ttggatactt	tcattgcaaac	gagaggtttg	atgacggtga	360
	gctctgtggt	gtggctaaaa	acattgggtga	tcacatttct	cgctatttcc	ctcanncacc	420
	aattctcntg	ttgaacaaca	aaaagcttga	agccttatca	aagggtaaag	agcgaagccc	480
	tgtgatgcag	ctctgtgtga	aggatgcttc	taagaactgg	agagtagttg	gagcagatgg	540
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	atctgagaaa	tggaaggacg	tcacagatgt	tgatgatcat	cttgatgatg	taacaaagga	660
	ctggctaaac	cctggacttt	tcaactgaag	atgggtatgc	gacatagcta	aactagactt	720
	ttgctttcat	catcttctgt	cgaaaaacaa	aaaagttctc	ggagaccatt	gtttaaaatt	780
	tcccttgaat	cttggttaaag	tattatccag	ctatgcaaca	gagctcaaat	tacnnttaat	840
35	tcgtacacat	cttaaacctt	agttatatca	tttgaatgat	atcttttgga	gcttggttaca	900
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<210> 377
 <211> 933
 <212> DNA
 <213> Arabidopsis thaliana

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	ctcacctttt	aacctaatcc	tagacagact	tatctgcctt	ttaaaaaaga	cattttaaaa	180
	cagaaacaaa	cactctttta	ttttgctcca	taacttgtgt	attgcttcc	tcactattgc	240
	ttgctcaagt	ttctgataac	atatggaagt	atgcctccat	ggttaaagta	tgccaattcc	300
	acctctgtgt	cgaagcggac	tgtgcaagtg	aaagattttc	cgttgtcggt	agtgcggtga	360
50	acatcttggc	caggtcttat	ctctgagata	tcggttggga	gatggatcgt	gtagcggttcg	420
	tgaccagtca	atccaagagt	atctgcgtct	tcaccggact	taaagcacia	tgggatgatt	480
	cccattccca	ccaagttgct	tcggtgaatc	ctctcaaaac	tctttgcaat	caccgcttta	540
	acaccctgta	gcatgggtcc	cttggcagcc	caatcacgtg	agctaccact	tccatactca	600
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55	actgagagct	tctctccaga	tggaatgtga	acagtcttag	ggccaacttc	accattcatg	720
	agcttggttaa	cgatacggat	attagcaaaa	gtacctctgg	ccattatttc	atcattccca	780

5	cggcgacttc	catatgagtt	gaagtcctta	cggtcaacgc	cacgctccat	gagaaacttt	840
	gcagcaggac	tgtccttttg	gatgtttcca	gctggtgaga	tgtgatcagt	ggtgatactg	900
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<210> 378

10 <211> 932

<212> DNA

<213> Arabidopsis thaliana

<400> 378

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	agcttggtta	ctctaaatga	ccaaatggat	gaaagagcaa	caacatgggtg	atatgatata	180
	cacatgtatt	atgaaacttg	gtctcaacaa	ggtaacttga	aacccatgta	acgaccagag	240
	acataatcat	tccaaacatc	aagagctcca	tagcttggtca	tcaacacaat	actcaatgcc	300
20	atgacgatac	caaccgagaa	cacaatgatc	gaagcccttc	catactcggt	tattaccttt	360
	tgaaccacct	ttagtcccac	gagtgatgcc	acaaaacata	tgaccgcaaa	tatacttgcg	420
	gttcgggtat	gttccatgcc	tagtaataag	tattgaatcg	cagacattgt	tgatgaaaaa	480
	agaaccatga	aagaacatgt	cgctgcagtt	acctcgggag	cgataccgac	ttgaagaaga	540
	agaggactaa	tgagcattcc	acctccaata	ccgaacacac	cacccaaaac	tccagctaata	600
25	agagccatta	cagggaaacat	acacttggtt	gatcttgctc	catcatttga	tctcaaactct	660
	tctacatcct	ttactgagac	atggtaatct	gattgttggt	ggctttgaac	attgtcactg	720
	aagcagatcc	agagagtga	gaagagagtt	agtggatatt	gagacgatga	aatgagccag	780
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	agataaactg	cgaagtaaga	aagccaaata	atgacaaaaa	ctccaagctt	aatccatgga	900
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<210> 379

<211> 932

<212> DNA

35 <213> Arabidopsis thaliana

<400> 379

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40	cacaattttac	ggttacttta	accatcagtc	tctatatgct	cactcatgag	caaaagtttt	180
	taagcggcaa	gcaacttctg	gatgtctttc	tcgatttgga	aaggggatgt	ggtgggaggg	240
	tacctctcaa	cgacctttcc	ctttttatca	atcaagaact	tctcaaagtt	ccatttaatg	300
	agaccaccca	agaatcctcc	tgcgtttgat	ttcaagaact	cgtagatcgg	cgctgtgctt	360
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	tttgatgatg	tcaaaccaca	tcttgaagca	acattgacaa	tcaacataac	tttccccctg	600
	aatttgttca	aagcaacatc	cttcccatca	atgtccttaa	cggtgaaatc	gtgaacgggt	660
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	actgtagaga	atgttccgta	cgaagaagat	gaagtagtca	tggagacgag	tttatgttcg	900
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55 <210> 380

<211> 931

5 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature

10 <222> (1)...(931)
 <223> n = A,T,C or G

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 caaatgtttt tcttcttttc atctcaaatt tcacatttcc actaatcaga caccaattgt 180
 ttaagcagag attggttcgt atggatatga aagccaaggg tgcttcagag cctctgctgc 240
 agaaggacgc ttctttgggt ttatctcaag aagatgagcc acaaagtctg tgaatccttg 300
 gtctcccatt ggcagccgat gtctcaacga tgttcttttt ggtatcagg actccaatct 360
 20 gttgcttttc tgggtccgct catagagcat tcggtttttt gtgaagtatt tgtggnnnnc 420
 ncgtncntnn nnaagcattt cattatcgaa agatcctacg attcccataa cccttgctag 480
 caaactggct ggcgaatcat tctggaagag aacgttgcct gtacacagtt cagccaaaat 540
 gcaccaaga gaccacacat ctatcttttt atcataagga agtcccaaaa tgacttctgg 600
 tgctcgatat gaccttgact ggacatagga gcatagggtg tctgtctcga aacagctact 660
 25 tccaaggtca atgaccttta ttccacatct gctataactt ttaaccaata tgttctcagg 720
 cttcaaatca cagtgtataa gtccaaggcc atgtagaaat tgaagtgatt cgagacactg 780
 gatagtgatt gactgcaatc ttggcatcgt gaaataaact tcaccacctg attctctggt 840
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30 <210> 381
 <211> 931
 <212> DNA
 <213> Arabidopsis thaliana

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 cagagaaaag tcccaatttt taaaattagg actttttgat tttcgaaaat tttggtgtta 180
 40 atggaaacag atagtatcga ttccgtgatc gatgacgatg agatccatca aaaacaccaa 240
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 tacgagctcc ttgaatgccc tgtctgcacc aattcaatgt acccaccaat ccacaggtg 360
 tttcaatgtt ttggtcaata cttttgtctt cattttgaag cgtttcagct cggtagggct 420
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 45 tacagtttag aagttggagg cagtgggaga aaacagacat gggaagggac accaagaagt 540
 gtcagagata gtcacaggaa agtcagagac agtcatgacg gtcttataat ccaaagaaac 600
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 atctggaaag agcaacagaa tccagattct ggtgtttgca taacctctat gtgtagtagc 720
 tgaatcaaaa tcagccaacc cttcaaacct atcttaaggt gttcgttcga tttcttcaat 780
 50 tcgattttgt ttcgggtttg tgtgttgttt tgggtccagaa tccagatagc ttctttacat 840
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<210> 382
 55 <211> 931
 <212> DNA

5 <213> Arabidopsis thaliana

<400> 382

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10	ctaaaatgtg	acatgatcct	caatctaaca	gacaaaagta	acaagttttg	tgacacaagc	180
	tgataggtaa	attacccaaa	ttgagttttt	tcaatcaaag	acgagcgatg	actgcttcga	240
	cttcttggtg	agtgtagaga	tgataagctg	gtgctacctt	ggcaatatcc	acgttatattg	300
	gagtcacctt	ttcttccata	acttgcttta	ggatagatac	agcgatagtc	tcagcttctt	360
	gtagagacaa	atctttgttg	aattgctctt	gaagagagct	atcagctcct	tcagaacctg	420
15	aaccaattgc	ctttgcattg	cactgccaga	atgttcctga	aggatcagtg	tagtacaagc	480
	ttgggtccatt	ttcatcatgg	ccagcaatga	gaagagatac	tccaaacggc	cgagacattg	540
	attcttctct	tccttcacca	aaccgtaaag	ccagatcaca	cagtgtctgt	gttgtggact	600
	ctacagtcac	cggctcacca	tacgagaatc	tatggttttg	agtttcaact	ctagcatgct	660
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	cagcaagcac	aactccttct	tttgtcttta	ctccaattgc	agtagaacca	agcttgatag	840
	cttcaatggc	atattccact	tgaatatagc	ttccttctgg	agaaaaagtg	ttcactcctc	900
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25 <210> 383

<211> 930

<212> DNA

<213> Arabidopsis thaliana

30 <400> 383

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	cttctataacc	taatttgacc	catttttttta	tttagagact	tttttttttct	actggggaga	180
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35	catcatcatc	agtagacaga	aatgtcgacg	cttatgcctc	ccatggaaag	atttttccca	300
	gaaagctttt	ggtcctcacg	caagcccagc	cacagacacg	atattcctcg	catcgagcc	360
	tgccccacca	ctttcacccg	gtacaccatg	ctcagatctg	cagctgccgc	ccatagctca	420
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	tccgagtggg	tgactacaac	cattgaccca	tcatcaaaca	ccactacatt	cccagaacaa	540
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	tgaaccaagt	agcatatgac	aatagttgtg	ctgcgacccc	gacccgcttt	gcagtgaaca	780
	taagtcgtct	ttccaagcga	agcatttcta	tggataaatt	ctacagcttg	gcatattgct	840
45	tccatggaag	gagcaaaaca	ataatctctt	gtagcaatca	ccaggtgggtc	aatgcagtaa	900
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<210> 384

<211> 930

50 <212> DNA

<213> Arabidopsis thaliana

<220>

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<223> n = A,T,C or G

5

<400> 384

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	acagaaccat	tcttcagtgg	agtttgtctc	agcggttctg	aagagtctcg	attgcctttt	180
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	tcttgaaatg	tgaagggcta	gtgactacaa	cgttgagggtc	attcgagtta	tcagaccata	300
	taatgtttcc	tttcacaact	agttttgacg	ggtcgacata	gatcagcttg	ggtttgttgg	360
	tgagtattag	ctgcaccttc	ttgctcgta	ttttctgaag	cttcttcacc	gctgatatca	420
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	catccctctc	gggagatgct	gtctgagacg	caggatctgg	agctagtttt	ggaggagtct	660
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20	ggtctcttgc	tgcttctgaa	aaatgatttg	ggaactttat	atctctgggt	ataattcttt	840
	ggaaaatcag	ccattcactt	gcattcttaa	atggggaagt	ccccgaaagc	atctgataga	900
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<210> 385

25 <211> 930

<212> DNA

<213> Arabidopsis thaliana

<400> 385

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	gcttctccga	ttctctcttt	gttcgaagat	tcttcagtct	tccatggagt	cgagcactgg	180
	acaaagggta	agcgatctaa	gagatcaaga	tccgatttcc	accaccaaaa	cctcactgag	240
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35	cctccggcgg	tggagaagtt	gagctacaag	tgtagcgtct	gcgacaagac	gttctcttct	360
	taccaagctc	tcgggtggta	caaggcaagc	caccgtaaga	acttatcaca	gactctctcc	420
	ggcggaggag	atgatcattc	aacctcgctc	gcgacaacca	catccgccgt	gactactgga	480
	agtgggaaat	cacacgtttg	caccatctgt	aacaagtctt	ttccttccgg	tcaagctctc	540
	ggcggacaca	agcgggtgcca	ctacgaagga	aacaacaaca	tcaacactag	tagcgtgtcc	600
40	aactccgaag	gtgcgggggtc	cactagccac	gttagcagta	gccaccgtgg	gtttgacctc	660
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	atgccggcga	agaagcctcg	gtttgacttt	ccggtcaaac	ttcaacttta	aggaaattta	780
	cttagacgat	aagatttcgt	ttgtatactg	ttgagagttg	tgtaggaatt	tgttgactgt	840
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<210> 386

<211> 929

<212> DNA

50 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(929)

55 <223> n = A,T,C or G

5 <400> 386
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 ttcagacctc aaagagttga ctttttgttt gcattaggag ctttgacata agcaaccagg 180
 gaagaatctc cgggttctagt caatgtcttg agctcgtagc ccaaccaaca cctcgaactc 240
 10 tttctattgt agaaaaaccc taaacatttg caatctctcg tacacttgtc cccacacgca 300
 ctctccgtcg tcgatgatcc accgttatat tttgtcatga aactatcagc tccttcgacg 360
 ttgaagtagt gaaatgtctt gggatcgcaa cttgcgagac ttggagattt acatgtctcg 420
 tcccaaccaa gaagcccttt gtcgctagga caagcgttac actggccttt cttacacaaa 480
 ccaaacccca aacaatgctc agggatccta cactcgtcgt taccgtcagt gtcggcggtg 540
 15 gtaaagcgnn tgtatgtcac gtcccaagcc gtggaagtcg ccaacgtact gtaactcaa 600
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 cgtgagagga acgttgaaac gttgaattta gaaccagaat cgacacctc catgactaga 720
 cccacggtg tgtcggaatc ttccacagct tggaacgtca ttgactggaa ttgtgttatc 780
 ttggtgaaga attcgtattc aaaataagcg attggtttcg gagttttgtt tgtcgtgtag 840
 20 tacaagacta gcttcttggc ttccatcacg agactgtacg gtccgtttgt gttgacagat 900
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<210> 387

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25 <212> DNA

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30 <222> (1)...(929)

<223> n = A,T,C or G

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 tccttagagc ccaaaacggc atcgtttatg cacaacgatg gccgctccgt caacctcctt 180
 caagcagatg gtacgattcc gatgcctttt catggagtca cctataacat acctgtgatt 240
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 gatatgatca tcaagcgacc tcacgcacat gtcactcctt ctggtctcgt ttctcttccg 360
 40 taccttcaga attgggtcta ccctagctcc aatctcgtag atctcgtcnn nnatctcagc 420
 gctgcttttg ctctgatcc gcccttttat tctcgacgcc gtctcagcc accgccaccg 480
 tctcctccta cgggtatacga ttctgtcttg tcacgacctc cttcggctga tcagtcattg 540
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 gttcaccacc agcagcaatc tgatgatgcg gcggagggtt tcaagagaaa tgcgattaat 660
 45 aagatggtgg agatggttca tagcgatttg gtttcgatga ggagagccag agaagctgaa 720
 gcagaggagc tgctgagctt gcaagctggg ctgaagagaa gagaggatga gcttaatat 780
 gggttgaaag agatggttga ggagaaagaa acacttgaac aacaattaca gattatctcc 840
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50 <210> 388
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<212> DNA

<213> Arabidopsis thaliana

55 <220>

5 <221> misc_feature
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 <223> n = A,T,C or G

<400> 388

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	acaccaccaa	tagctccgcc	gtcatgaatc	cttctcttcc	aggtcaacac	aagtcagagc	180
	tccaaaaaatg	gagtcatgcg	attgttttga	gacgcatgtg	aatcaagatg	atctgttagt	240
	gaagtaccaa	tacatctcag	atgcgttgat	tgctcttgca	tacttctcaa	tcccactcga	300
15	gcttatctat	ttcgtgcaaa	agtctgcttt	cttcccttac	aaatgggtgc	ttatgcagtt	360
	tggagccttt	atcattctct	gtggagctac	gcatttcatc	aacctatgga	tggtcttcat	420
	gcattccaaa	gccgttgcca	ttgtcatgac	tattgctaaa	gtctcttgcg	cggttgtgtc	480
	gtgtgctacc	gcgttgatgt	tggttcatat	tattcctgat	cttctcagtg	ttaagaacag	540
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20	acaagaggag	actggtaggc	atgttaggat	gcttactcat	ggaattagaa	gaactcttga	660
	taggcatact	attttaagaa	ccactcttgt	tgagcttggt	aaaactcttt	gtcttgagga	720
	atgtgcgnnn	tggatgcctt	ctcaaagtgg	tttatatttg	cagctttctc	atactttgag	780
	tcataaaaata	caagttggaa	gcagtgtgcc	gataaatctc	ccgattatta	atgaactctt	840
	caatagcgct	caagctatgc	acataccnna	ttcttgtcct	ttggctaaga	ttgggcctcc	900
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<210> 389

<211> 929

<212> DNA

30 <213> Arabidopsis thaliana

<400> 389

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35	tgtatgttca	gctagatggc	aaggtggtgg	caaagtctct	ggtggagata	atgagtatat	180
	agatatcata	ttgagtata	ctgaagttgg	tcaagatgat	cgtttgattg	ttgatattga	240
	tttcagaagt	cattttgaga	tcgctagagc	tgtggattct	taccaacgga	taatggaatc	300
	acttcctgtg	gtttatgtag	gaactgttgc	aagattaaac	cagttccttc	aagtaatggt	360
	tgatgcagcg	aaattctcct	taaagcagaa	ttcaatgccg	ttacctccat	ggagatcttt	420
40	gaactacctg	cgatccaaat	ggcattcacc	tcacaaaagg	catctcggtc	ctatcgatca	480
	acaaggtcct	ggaatgttct	caccgggatt	acatggacag	tgtgctgaga	atttaaagag	540
	gcttcagttt	gctctccagg	ttgaacaaga	ggccgagaga	ttcatgaaga	agaagagcgg	600
	tttttagccgc	aggaactaac	ccgagataat	gagaattcaa	ggggctcgtg	ctccttaaag	660
	agattgtaca	gatgtttttt	ggaggcatca	agaggccaaa	gaattttgct	ctgttgagtc	720
45	gttttcgagt	gtaatatatt	tgcggctgcg	tctttttttc	tttttaatat	ggattcattt	780
	gggggttaca	taacagccaa	ggttaggctt	tatacaaaga	agataatata	cgaaagggtac	840
	cgcaattttt	gccgctgttg	tatgattcga	cattgggaga	gattgttcta	ataagcatgt	900
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50 <210> 390

<211> 929

<212> DNA

<213> Arabidopsis thaliana

55 <400> 390

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	ggtgttaaga	gagctcccaa	tatgtgtgcc	tctgttgga	tccaaggcat	cgcttgggct	180
	tttgggtggc	tgatctttgc	tcttgtttac	tgtactgctg	gaatctcagg	aggacatatt	240
	aatccggcgg	tgacttttgg	tttgttcttg	gcgaggaagc	tatctttaac	cagagctctg	300
10	ttctacatag	taatgcagtg	ccttggagct	atatgtggtg	ctgggtgtgt	taaaggggtt	360
	caaccagggc	tgtaccagac	gaatggcggt	ggagctaata	tggtggctca	tggttacaca	420
	aagggttcag	gtcttgggtg	agagattggt	ggaacttttg	ttctgggtta	cactgttttc	480
	tcagctactg	atgctaagag	aagtgccaga	gactctcatg	tccctatctt	ggctccgctt	540
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	cagatagtca	tcagagctat	tcctttcaag	tccaagacat	aaagtttcct	acatattctc	780
	tgatcatcat	caagctaaga	atatatcaat	ctttaattct	atatgctttc	ttcttgtttc	840
	ctatgtcatg	tgtgatgatc	tctatatgta	ccactagagc	tttgatcttg	taacagtgtg	900
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<210> 391

<211> 929

<212> DNA

25 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(929)

30 <223> n = A,T,C or G

<400> 391

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35	acaggcccta	gaaccatcac	caaccaatcc	cctaaaccga	attcgactct	taaccagcgt	180
	aaaccgccct	taccgaatct	atccgtctcg	agaacgggtt	caacaaagac	agagaaagag	240
	gaagaagaga	ggcactacag	gggagtgaga	cgaagaccgt	ggggaaaata	cgcggcggag	300
	attagggatc	cgaacaaaaa	gggttgtagg	atctggcttg	ggacttacga	cactgccgtg	360
	gaagctggaa	gagcttatga	ccaagcggcg	tttcaattac	gtggaagaaa	agcaatcttg	420
40	aattttccctc	tcgatgttag	ggttacgtca	gaaacttggt	ctggggaagg	agttatcgga	480
	ttagggaaac	gaaagcgaga	taagagttct	ccgccggaag	aggagaaggc	ggctaggggt	540
	aaagtggagg	aagaagagag	taatacgtcg	gagacgacgg	aggctgaggt	tgagccgggtg	600
	gtaccattga	cgccgtcaag	ttggatgggg	ttttgggatg	tgggagcagg	agatggtatt	660
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	tattcttgta	taatataaag	gtagcggtag	tgtgcaaata	tcaaataagt	agtttaatta	840
	gtaccaatca	nnntattcat	tatttttttt	agtagaatat	ttggatgttg	aaaatataaa	900
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50 <210> 392

<211> 928

<212> DNA

<213> Arabidopsis thaliana

55 <400> 392

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	aacaaaacag	agtctcttct	ctactagttc	ttgggaatgt	taactccgac	gatttttagcg	180
	ggagtaatac	gaagaagatt	cccaggctta	ccaggcaaag	cacctttgat	catgacaaca	240
	ttaagctcct	tatcaacttt	aacaatctta	agcttcctaa	tctttgtcct	cgtccctccc	300
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	gaacccaaag	ctcgatgact	cttggaaacca	tgagtcattc	gacctctctt	gaaatgatgc	420
	cttttgattc	ctccttgaaa	ccctttacca	attgtgggtc	cagctacatc	aacgagatca	480
	ccttctttga	atatctcatc	gaacacaagc	ttctgggttc	gttcgaatcc	ttcgatgttt	540
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	gatttgatga	gaagtgaaga	ggatttcgcc	gggaggaag	tgggagtga	gagtgaagag	900
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<210> 393

<211> 928

<212> DNA

25 <213> Arabidopsis thaliana

<220>

<221> misc_feature

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30 <223> n = A,T,C or G

<400> 393

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35	tggtcgtcgt	gaaactcttt	gaggacattg	agaatctgag	cnnccattct	cctgacacga	180
	gcaagcaatc	ggttgcagga	tctgaggtaa	cccttgacgt	tgctcttttg	gcatttatca	240
	atgtaaacct	ccatgtccct	gagaatctcc	atgagctcat	caaccacctg	agaatactcc	300
	atgaccgcac	cagggtctct	ctcaaccacc	tcctccaatt	ctctcctggc	agtttctaac	360
	cactcggcgg	ataaacgaat	ccgggctttc	aaggagtcgt	agctgtcggg	gtcgaaaacg	420
40	tccaagagtt	tcaagacggg	acctggcttg	attttgtaga	agtgaagagc	tttaacgtaa	480
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	tgatgcatct	ggttacagaa	atatgctttc	actaaactcc	ccatttctct	ctttctctgt	840
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50 <210> 394

<211> 927

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<213> Arabidopsis thaliana

55 <220>

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5 <222> (1)...(927)
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<400> 394

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	gtgacgctaa	gccctgagca	gcacaaggag	gtggcacaag	tggccggaga	gcttcaaaag	240
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15	aaaacgaaag	agatgataca	agccatcgat	gtccttgata	tcnnnaggaa	caaagtttcc	420
	attaatgctt	ttggttttct	agacggagac	gtctccttga	caggggaagct	gaaagcgttg	480
	gacagtgagt	gggtgcaggt	gatatttgag	cctccggaaa	tcaangttnn	atctttggag	540
	ttcaaatacg	ggttcgaaaag	cgaagtgaag	cttcggatca	catacgttga	tgagaaactt	600
	aggttgggat	tgggatctaa	aggatcattg	ttcgtcttta	gaaggcggtca	ataatatata	660
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	ttgaggaagc	tactggtgaa	cttcaacatc	ttttcgcaaa	gaattactat	agcaacaaag	900
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<212> DNA

<213> Arabidopsis thaliana

30

<400> 395

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	cattttatagt	tgcgatttta	tgacgtttct	tggaaacatta	ggatctttgc	tcggatcggt	360
	tctctgtttc	atcaagggat	gtatgtatgt	tgtagactcg	tttttgagct	attcgggtgaa	420
	tcgtgggaaa	gtgatattcc	ttttggttga	ggccatagat	atatactctc	taggaactgt	480
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	gtcgcgcaca	cacgatattg	tttccaatag	gtcgcgcctc	tttggcatgt	tcaccttaaa	600
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	gaaactttgt	atgtgtataa	tgtttttagca	acgctccatc	ttctcttttt	gttcattata	900
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50 <211> 927

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<213> Arabidopsis thaliana

<400> 396

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10 ccatcaacca gaactggttt tgaataactt tacaacgcgt ttagggaatc gtgttgggag 480
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ccacaaccag cgtgacttta tatttttcag acatcaccgt tacatatattg agacaaagga 600
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15 atttgaatgg gttcataagc ctgaaatgga cagagcagg agaaggttct tcttataaat 780
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20 <210> 397
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20 <211> 926

<212> DNA

<213> Arabidopsis thaliana

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<211> 926

15 <212> DNA

<213> Arabidopsis thaliana

<400> 401

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<211> 926

<212> DNA

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<223> n = A,T,C or G

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<400> 402

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15 <211> 923

<212> DNA

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<220>

20 <221> misc_feature

<222> (1)...(923)

<223> n = A,T,C or G

<400> 409

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	gggtgattgat	ttagatatca	cggcggtcc	gatgaaccct	ccgccgcaaa	ctccaccgca	420
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	tcatgtcgag	ctagaagcac	gtgcgactca	gatcgaaacn	gnnncacgtg	cttggcfaat	780
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45 <213> Arabidopsis thaliana

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50 <223> n = A,T,C or G

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55	cgagcgacga	attccaatgg	aaggaagaaa	gaagaaagct	tcgtcttctc	ctccttggtc	180
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   accttataaa tacttccaaa tgctataact atagacaata taaacgcaa agataaacgg 180
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55 cccagattg atagctatat atacaagtac atatgcacaa acgctgagac attcctacac 240
   ttctcttcag aaagcaatga aattcttggt gagctgatca tgaaacctac cggaccgcgc 300

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	ttgatggtat	cccgggaaga	atctcatctg	aactgacttg	aagacgaaga	aagggatcaa	480
	agcgaagaac	atcacgaaga	gagtggtag	ccagtaggat	ggagctggag	ctaaggcttc	540
	aatgaagact	ttgtaagcat	ctgtggagaa	gctaggagtg	atggctccat	agatcatgag	600
10	gaagatgtac	cagaatgcta	ctgagcccca	tattacaatg	tgttggagcc	aagtgaata	660
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	gccgagaatt	tctctgccgg	cggttttgcc	attaggggta	tagagttagt	gtttgagaga	780
	ttccttgcat	aggaagaaaa	tggctagtgc	nntaaagact	ccgttgaaca	tccatccgat	840
	gattctcttc	cagctgaaga	gaagattctg	aactccttct	tggatatagca	acgggaactt	900
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20 <213> Arabidopsis thaliana

<400> 413

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	taaaaaaagg	accaccacaa	aaacatttat	gatttttttt	ttttggggag	caatttttaa	300
	ataaagaaaa	atacagaaat	ctgtccctgt	aaatgatttt	tttttttttt	gtaagaaaaa	360
	taaacaagca	tgtgatgatg	agagagatgg	tggtagagag	aaaattatta	agcggaatct	420
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40 <210> 414

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<212> DNA

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<222> (1)...(921)

<223> n = A,T,C or G

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	gacagtggat	caacctctcc	caccgcgcgc	gtctccgtag	aggctcctga	gcccgaggaa	180
	gtgatagtta	aagagcctcc	ccaatcaaca	ccagctgtta	aaaaggaaga	aaccgccacc	240
55	gctaaaaatg	ttgccgtcga	aggtgaagag	atgaaaacaa	cggagagtgt	tatcaatttc	300
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10 cgtaagaatg aggatgtgga taaactcaag aatttgtttg atgagactac attgtatgat 720
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     ctcttcctac tccgatctac aagtgtagcg tctgtgacaa ggcgttttcg tcttaccagg 360
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<220>

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<223> n = A,T,C or G

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ccgccaagtg agttgccaag ttctccaatg gtccctgtccc cgggtaagcc gactgttgca 240
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ctgactcttt gtatctctca aggttcgctg gaacttctcc aagtccaagt ggggtcaaacc 660
25 caaagtcacc aggagcagaa ccgtcaaggt aagctggctg tggctcgcca ggcattcagt 720
gagcagccat tctgatacga ccaacattcc cggcggttgg gagtggaaact ccggcgata 780
cgaattttaga cttggaagaa gagagaagcg aagggtacac ggcggctatg ccacagctca 840
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<210> 422

<211> 919

<212> DNA

<213> Arabidopsis thaliana

35 <400> 422

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attgaaattht tatctaacat gcatgtagta tagaaggcgg cttcagtgat gtctaagcaa 180
40 accgggagga acggaagagg actggtttct tcattagcgt tgcaggccag ctttgatgta 240
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45 accaatagca cgggcacgga ggaatgatcc ggtagcaca ggctcctgca tcagtaccag 540
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gtacacaatg gatgagtaga gaacgcgac aaccttaata aggccactgt tcttgcttag 660
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50 tgcaaagttt ctctcattca gcgtaacatt agggttcctg agagggaaag catagccctt 840
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caatcgcgaa accgaagca 919

<210> 423

55 <211> 919

<212> DNA

5 <213> Arabidopsis thaliana

<400> 423

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10	tagcatatac	actaagcaat	tacgagctgt	tgcattacat	tcaaggcgct	tggaactaag	180
	tttggcgggtg	aatgattaca	ccaaagcaaa	gataactgaa	agaattgagc	catggattag	240
	aagagagctt	caggcagtc	ttggagatcc	tgatccctca	gttattgttc	atcttgcgtc	300
	agctcttttc	atcaaaaggc	ttgagagaga	gaataatcga	caaaccgggc	agaccgggat	360
	gttgggtggaa	gatgaagtct	cctctcttcg	aaaattcttg	tctgataagg	tggatatatt	420
15	ttggcatgaa	ctaagatgtt	ttgaggagag	tatactcacg	atggagactt	atgatgcagt	480
	gggttgaatac	aatgaggtgg	agtaatagca	gtaaaaaaaa	cagataaccg	agcactatgc	540
	tctcgtcaaa	tgaagtaaat	agacagactt	acaacgcgac	tggtgggtgtc	ttggaagttc	600
	aatagtggaa	agactggacc	aagtaagaga	aaccaagagt	taaagagtag	gtaggaggaa	660
	gatgttgaga	tgatgcaagt	ttagggtgtg	agttagtttt	gagatagcta	taggtggatt	720
20	ctcaaatagc	tgacacttag	tctctctact	tccataatgt	acgtctcttc	tataccaaaa	780
	attctcaccc	ccaaagtttc	tttccaacgc	ttttctctac	ctcatcattt	tttcttacgt	840
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25 <210> 424

<211> 919

<212> DNA

<213> Arabidopsis thaliana

30 <400> 424

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	ggccggagtt	ttcaaaacgg	ttacgtttct	tgttttgggt	ttcgctgccg	ttgttgtctt	180
	cgccggaggac	tacgatgttg	gtgatgatac	ggaatggacg	agacctatgg	accccgagtt	240
35	ctatactact	tgggctaccg	gtaaaacttt	ccgtgtaggc	gacgagctcg	aatttgattt	300
	gcgtgctggg	aggcatgatg	tggcagttgt	atcagaagct	gcatttgaaa	actgtgagaa	360
	agagaacccc	attagccaca	tgaccgttcc	tccggtaaaa	attatgctaa	acaccactgg	420
	accacaatac	tttatctgca	ccgtcgggtg	ccattgtcgt	tttgggtcaaa	aactttccat	480
	cactgtagtt	gctgctgggt	caactggagg	tgctactcct	gggtgccggtg	ctaccccgagc	540
40	acctggatca	accccaagta	ctggaggaac	cactcctccc	actgcgggtg	ggaccacaac	600
	accttcaggc	tctagcggaa	ccactactcc	agctggaaat	gccgcttcct	cattaggtgg	660
	tgctactttt	ctggctcgct	ttgtttctgc	tggtgttgct	ctcttttgag	tcacactcga	720
	aacctagtta	tgtatttggt	ttaccttact	ctccttattt	aaatagtcac	gtatttgatt	780
	atttgtgaga	ataaggactt	gttttcaagt	cattataaac	gtcttatact	tgtgattagt	840
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<210> 425

<211> 918

50 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

55 <222> (1)...(918)

<223> n = A,T,C or G

5

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ctgcatttag aaagtattag gctgttttagc ctgagagatc atctggacaa cctctctcat      180
10 ggctcggctctc tcaacactat gttcttgcac acatagcatt gccacaaaga acagttccat      240
ggcctctgct aatggaatat tgctcaatct ctgggtcaatg atcttcacca caccttgtct      300
gttacagttt gtttgatct ttgaccattg cacaatgtct atcccttctt ccccaaaatt      360
atctactggt tttcgaccgg taatcagctc caataacact actccgaagc tgtacacatc      420
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15 agcgatcgag gacatgcaact cggaagctcc attgtcttgc atcataaact tagcaagccc      540
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caacgctatt tgcaannnnn nntcccattt caaaaacact ccagctttcc cgtgcaagac      720
ttctccgagg ctaccattag gcatatactc gtaaacaagg agattcacgt ctttgtttga      780
20 acaaaaagcg agcaatctca ctatgtttct gtgtctgatt ctacctaatg tctgaatctc      840
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<210> 426

25 <211> 918

<212> DNA

<213> Arabidopsis thaliana

<220>

30 <221> misc_feature

<222> (1)...(918)

<223> n = A,T,C or G

<400> 426

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tgaacaatga gcatcactact aaaaagtgtg aaaactatgg tttctgagtt ttgaaaatgc      180
tacaagaata tcataagatg agggagggtt atatcactta agtaactgtt gcagttatct      240
cacaaaagtg ttgtcgtcgt cgcgcggttt tagcggatta ttttaaaata caagagacgc      300
40 tgattcatca gtggaaaaca aatcctccgc ccgagtgttc aacttctga ggagggggta      360
gagatgaaac ccaatctgat gcatgtgttg gaagaagccc caaagtgtta agcttccaga      420
cacccaaagc tagccctcca aggtttaggg caaggaacac taatttcggc ataagtagtt      480
ccactttgtt atccttgaat ggctcaaaaa tctttccaac actctgaaga gcatgatag      540
gctgccaag agcagagaaa gtaatacaca tactaaaaag atgaactgtg tttccagcca      600
45 tccacatcat gaaaccatc atcatcaaat tcttaaatgg agattgcgct acttcccacg      660
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cctgtnnnnn agaggcacga gagaagccag gtggatcgag gatgtcacgg gaagatggaa      780
cagtagattg atcgagaaat tcgacggccc atctccgacc agtaccatc actgctttgc      840
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<210> 427

<211> 917

<212> DNA

55 <213> Arabidopsis thaliana

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5  <220>
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   <223> n = A,T,C or G

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   ggacgagcct accaagtggg ctttatacag agccggtcatt gccgagttcg tagccactct      180
   cctcttcttg tacatcaccc ttttaactgt catcggttac aagattcagt ccgacacaaa      240
15 agccgggtgga gttgactgcg gcggcgtcgg aatccttggc atcgcggtgg cttttggtgg      300
   catgatcttc atccttgtct actgcaccgc cggtatctca ggtggtcaca taaaccctgc      360
   ggtgacgttt ggtttgttct tagcccggaa ggtatcgctg attagggcgg tgctttacat      420
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   ttactatgat cgttacggtg gaggagccaa ctctctagca gacggctaca acacaggcac      540
20 cggactagcc cgagagatca ttggaacatt cgttctcgtc nncacagtct tctccgctac      600
   tgatcccaaa cgtaacgcta gagactccca cgttccggtt ttggnnnac ttccgattgg      660
   gtttgcgntg tttatggtac atttgccac tattccgatc accggaaccg gcatacaacc      720
   ggctaggagt ttcggagctg ccgtaatcta taacaagagc aagccatggg atgaccactg      780
   gatattctgg gtgggaccat tcattnnagc tgcgatagct gcattttatc accaatttgt      840
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   <210> 428
   <211> 917
30 <212> DNA
   <213> Arabidopsis thaliana

   <220>
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35 <222> (1)...(917)
   <223> n = A,T,C or G

   <400> 428
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40 caatgagaga cggatcttgc gttcccggac aaagcaagta gaaggaagag atgcacctgt      120
   ttctgtttct attgttcggg gaacagagga gggttatact ggaaaccctc cgtctagaac      180
   cggaatcttg gtgatactgg atagaatata caagtcctct tttgttggcg catggagaat      240
   ttatttcaat caagaagtgg tcctccccgg ggtttctcta gctctcttgt tcttcaccgt      300
   cctcagcttt ggaacattga tgacggctac attgcagtgg gaaggtatac ctacatatat      360
45 catcggtata ggcaggggaa taagtgaac ggttggaacta gcggctacat tagtgatatcc      420
   gctaatacaa tcgcgtctct caactctgag aaccggcctc tggctcttct ggtctcagtg      480
   gagctgcctt ttggtctgcg ttggatcgat ttgggttaaa aaggataaaa tagcatctta      540
   catgctaata gctggagttg ctgcttcaag gcttggcttg tggatgtttg atcnnnccgt      600
   catccaacaa atgcaggatc ttgttncaga atccgaccgt tgtgtggttg gaggtgttca      660
50 gaactcactg caatcggtc ttgacttgat ggcataatct ttaggtatca ttgtctccaa      720
   tccaaaggat ttttgatat tgacgttgat ctcatctccc acagtatcgt tggcaggaat      780
   gctctataca attcacctct accgcataag aaaccatatt tttcatcttg agaagattct      840
   tttgttgaac aaatgtttat tcaagttgct ccttctcgt ggaaacgtgt aattcataat      900
   gttgtggaat gtgccac
55 <210> 429

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5  <211> 917
   <212> DNA
   <213> Arabidopsis thaliana

   <400> 429
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    ctctaaata cgaaaacaaa agcccaggag atatatatttc actccggtat ctagcatata      120
    gccggcgaga aacaatgatt gcaaggattt ttcttgagcg gcaccaagag ttttagtgaa      180
    ggaaataaaa ttgattagta acagaacaaa aaagaccgag acaacgactc actctgcttc      240
    ttctaactct ctagctcgat gatcttgacc acggacgcac ctcccacttt ctgacagacc      300
15  acaactctgt catgtgactt gatcactccg gcttgcttcc catggtctag agccacttta      360
    agaaccgact catttggtgc acttggtgat tccgcagggt gacgaggatc agcaagcatg      420
    gggaaaagac ctctgacaat aagtgactgc cttgcctcaa aggtccgct aaagctccac      480
    ttcagctgat ttgtcgtaag tcggggaatg acaacagaga gaacgggcat agttggacgg      540
    tatttggcaa tcaaccttgc tgctctgcca gacgaggtga agcatataat tacggatgcc      600
20  ttaaccttga ttgctgcccg tacagcagaa gaagcaatag attccaagtg agtcattggt      660
    tttccaactc acttgacagt cttcttaaag aacaaatctt ggttgaaaac tttctctgcc      720
    tcacaacaga ttctaccaac agttgatatg gtttcaacag ggtacaatcc acgaagagtc      780
    tcagcaccaa gaagaattgc atcacttcca tctaaaacag cattagcaac atcagttgcc      840
    tctgcacgag ttggccgcag attgtctgtc atactgtcta caacacgagt aagaacggca      900
25  ggctttccag ccatggtt                                     917

   <210> 430
   <211> 916
   <212> DNA
30  <213> Arabidopsis thaliana

   <220>
   <221> misc_feature
   <222> (1)...(916)
35  <223> n = A,T,C or G

   <400> 430
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    taaaatcagt cattgaaaat cagaagacga tgaagatggt agatcaggat cttcaaactt      180
    attaaacctt ttccgagtcg ctgcatcggt gctaattgta atcccatgct gctttctacc      240
    atacgagtct tcgtttatgt aatcttcac ctcacatca acaacattca catccatttt      300
    catgttcatg tcttcttctt cttcctcttc ttcttcgtat tcatcatcac tatgtaagct      360
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45  agccatgaca tcatcatcat catagtccct atactgaaac gatctccccg agctgctagc      480
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    actggttttg gcgggttacag caacttcctt aaccgcacgt cctcctccta cttcattaca      600
    tataccgagt gttccttgcg ttggtctctt tcggcctttg gtgccactac gccgcccatt      660
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    aggatccgtc cagttctctt cttgcttata agcagcaact tgcaccggag tttccattac      900
    gtccttctca tgtaag                                     916

55  <210> 431
    <211> 916

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5 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 10 <222> (1)...(916)
 <223> n = A,T,C or G

<400> 431

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	caaaacacca	aacaaaaaac	agagaaagt	aaagcaagaa	cataaacgat	gatataaaaa	180
	ctacgatcct	cagcctcttt	cttcagtact	tgtaatcctt	aacgtgaagg	ctctcagctg	240
	caccttcacc	gagcttagca	tcacccttgt	aagcaccaag	tggtgcttca	gagttagctt	300
	tgcatctgac	caagaacgct	tcttgagcct	tcttcacatt	ctcctctttt	cctccccaag	360
20	tcttcaaagt	gctctgctgc	aacgccttc	caaaggagaa	agacaacgac	caagggttct	420
	ttgtcttcaa	ctgggtcatc	gcgttaaggt	ttcttgctgc	ctcttcctcg	ctctgtccac	480
	cagacaagaa	cactatggct	ggaacagcag	ctggaactgt	cctctgaaga	gcacggacag	540
	tgtgctcagc	aatcacctct	ggtgcaacct	tcgcactctc	tgatcctgga	gtaaccatgt	600
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	ccaatccata	agcgttctca	tggatagcta	actgagatgg	ctcattaaca	ccaatcttaa	840
	gaaccgcacg	ccacttggcg	aaacgagcac	cagcctcgta	gtatttcttg	caacgggtcac	900
	caagaccatc	aagacc					916

30 <210> 432
 <211> 916
 <212> DNA
 <213> Arabidopsis thaliana

35 <400> 432

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	atttactttt	acttgtagca	gagaagaatc	agcggttggg	aagagtagtt	acagattata	120
	atcaaaccga	atcttctata	tacacataag	ctgtgaaaga	tcgagagatg	gtagaattaa	180
	aaagacgatt	ttaacctcat	caaatcgggt	gaggagctga	gccgtaggag	gagagaagct	240
	gaactaaaga	gttcatggct	ctcacttgca	tctccagagc	ctgaatataa	tcagttgctt	300
	cttctagaat	caccggtagc	gattgtttac	cgcaaccggg	aactaaccgg	cctagaacac	360
	gtactttccg	gttaacatcc	ggtatactct	tcttattcaa	tctcaacacc	gacactctcc	420
	gttttctcga	tctgttgctg	ctgctactaa	ccaccgtagt	catggccgga	atcgccatcg	480
45	tagctcgagg	acgtctctgt	ttacgaaatt	tcagtttgat	ccgattagct	aagatcgctc	540
	tgctccagag	tgttcttccc	cgagcggaaa	cggcaagagc	tcgatcggcg	gcttcacgga	600
	cggcctttcc	tcgtttctga	gccgttggag	atgatgatgt	tgaggcggaa	gagttgaggc	660
	ggacttggtg	gagcgttgg	aacagtttgg	ctgagtagat	ccgttggtgc	ttctccgatc	720
	gccatcgcg	gtgaatctca	ccggagacgg	aagatgcgct	tgaacgagac	gatgcggcgg	780
50	atgaagcaga	ggatctcttc	tttctccgaa	cgagatctga	agtagtactc	gtcggcggtt	840
	caatatctga	gatcagagac	gccataacca	aataattggc	tctgatctcc	gcagtcgtat	900
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<210> 433
 55 <211> 916
 <212> DNA

5 <213> Arabidopsis thaliana

<400> 433

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10	aggattgaca	acgcaggaag	gggaagacag	gatttgtgata	tttggcccca	acaagctcga	180
	agagaagaag	gaaagcaaaa	ttctgaagtt	tctgggggtc	atgtggaatc	cgctttcatg	240
	ggttatggaa	gctgcagctc	tcatggccat	tgctttggct	aatggtgata	atcgacctcc	300
	ggattggcaa	gattttgttg	gtattatctg	tctgcttggt	atcaactcca	caatcagttt	360
	cattgaagaa	aacaacgccg	gaaatgctgc	agctgctctc	atggctggtc	ttgtccctaa	420
15	aaccaagggt	cttaggggat	gaaaatggag	tgaacaagag	gctgctatcc	ttgtcccagg	480
	tgatattggt	agcattaaac	ttggagacat	tatcccagcc	gatgcccgct	ttcttgaagg	540
	agatccttta	aaggttgatc	agtctgctct	aactggagag	tcccttctct	tgaccaagca	600
	ccctgggtcaa	gaagttttct	ctggttcaac	ttgtaaacaa	ggagaaatcg	aagcggttgt	660
	tatagccact	ggagttcaca	ccttctttgg	taaagctgct	caccttggtg	acagcactaa	720
20	ccaagttggg	cacttccaga	aagttcttac	atccattgga	aacttctgta	tctgttctat	780
	tgctattggt	atagcgattg	aaatagtcgt	catgtaccct	atccaacacc	gaaagtacag	840
	agatggaatt	gacaatctct	tggtcctctt	gatcggtggt	atccccattg	ctatgccac	900
	ggtcttgtct	gtgact					916

25 <210> 434

<211> 915

<212> DNA

<213> Arabidopsis thaliana

30 <400> 434

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	aataggcagc	tatgttcctc	atctctttcc	ttttccttta	gcatcaaagt	gatgagactt	180
	tagttttctt	ttccgcacta	tcgcgcctgt	gctgccacca	cctccttccc	tgaaaggcat	240
35	tcccattaga	gccaatagtt	tctgtccttc	ttgatcgctt	ttagccgttg	tgctgatgca	300
	tacatccatt	cctctcgttt	ttccaacggc	atcaaacctg	atttcaggga	atacaccttg	360
	gtctttcaca	ccaatactgt	agtttccgtt	cccatcaaag	ctactgggac	tcacaccttg	420
	gaaatctcga	gttctcgga	gggctaagtt	gataagacga	tccaagaagg	agtacattac	480
	atctcctctg	agagtgcag	caatcccaag	aggttgatct	tccctgatct	tgaaagtagc	540
40	aatggaagct	ctagctcggt	tcttaatagg	tttctgccct	gtgataagcg	cgatctcctt	600
	catcgcagcc	tccaaaccct	tgctgttctg	cgccgcctct	ccaataccac	aattcactac	660
	aatcttctgt	acctttggaa	cctgggtgaat	attaacgtac	ttgaactctt	ctttgagcgc	720
	agggataatc	ctctcgaggt	aagcggtttt	gaggcggtga	gttttctcgg	cttcagattt	780
	ctcgaccagt	acagttccag	acgccgagac	tttcaccacg	tttctgagcg	gcggagagag	840
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<210> 435

<211> 915

50 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

55 <222> (1)...(915)

<223> n = A,T,C or G

5

<400> 435

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	gcgaccacga	ccagacatcc	aaggcacagg	gctggatgct	cttgcatcgt	gtgcattcag	180
10	ccaccaagtg	ggaaaggtag	gcacaagcct	acatgtggct	gcactgtgtg	tagcaccgtg	240
	aagagaaggt	tcaagacgct	tatgatgagg	aggaagaaga	agcagttgga	gcgcgatgta	300
	acagcagcag	aagataagaa	gaagaaggac	atggaactgg	ctgagtctga	taagagtaag	360
	gaggagaagg	aagtgaacac	agcgagaata	gacctgaaca	gtgatccata	caataaagaa	420
	gatgttgaag	ctgttgcggt	ggagaaagaa	gagagtcgaa	aaagagcaat	aggacagtgt	480
15	tcgggctggt	tggctcaaga	cgccagtgat	gttttaggag	ttacagagtt	agaaggagag	540
	ggtaagaatg	ttcgtgaaga	gccgagagtt	tcaagctgat	atggaaggaa	aaagggaaag	600
	ggtaaannc	aaagtcatag	ccagttttat	taatatgctg	agaccaagag	taggagaaga	660
	agaagagaaa	gagagagaga	gagagagaga	gagaagtaca	gttttgtgtt	tgattctgtc	720
	atagttgtag	gaaaaataag	tttctgggtc	taaacagcga	caatgtccca	tcttttgnnn	780
20	tttgtttttg	tttttgtatt	tttatgggat	cgtgttgagt	ttgggggtta	tagtatgtct	840
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<210> 436

25 <211> 915

<212> DNA

<213> Arabidopsis thaliana

<220>

30 <221> misc_feature

<222> (1)...(915)

<223> n = A,T,C or G

<400> 436

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	ccacgcattg	ttagcaacag	ggttgtcaag	atgggtcaagg	agattctcca	aaggaccttt	180
	tccagtaaca	atggcttgaa	caaagaagcc	aaacatagag	aacatagcca	atcttccggt	240
	cttgatctct	ttcaccttaa	gctcagcaaa	agtaactgga	tcatcagcga	gacccaacgg	300
40	gtcaaagtat	tgcccaccgg	ggtacaagtc	gttgcccttcg	ccaacacccat	caagaccggt	360
	gatgcggaaa	ccttcaacca	aacccatgag	gatgacttgg	aagccaagga	cggctaaaat	420
	gctctgagca	tggactaggt	ttgggttgcc	taagtagtcc	aaaccgcctt	cggagaagat	480
	ttgtgaaccg	gctttgaacc	agactgggtc	tttgaagtcc	acacggaccc	acttttgaag	540
	aacttcaggg	gttatgcaac	caaaagctcc	caacattgcc	catctcccat	ggatcacctc	600
45	aagagctctg	tttttggaac	gggcttcagg	gmnngcggat	aaaccngcgg	tgtcccaacc	660
	ataatcgcca	gggaattctc	cggtgaggta	agacggaggt	tgaacggaaa	agggctcctaa	720
	gtacttcact	ctgtcaggtc	cataccaaag	atcattttccc	atagtgtact	tgggagatcc	780
	gagagagaca	acatcacgaa	gggggttaaa	gcttgaggct	ttagtctggc	caaggaatgt	840
	tgttggggta	agaacactgc	ttgagctcgt	gaatgttgat	gccattgtct	ctctcggtct	900
50	gagcttttct	ttttt					915

<210> 437

<211> 914

<212> DNA

55 <213> Arabidopsis thaliana

5 <400> 437
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ttccatccta ctgatgaaga acttgtgggt caatacctta agaggaaagt ttgttcttct 180
cctttgccag cttcaatcat ccctgagttt gatgtttgca gagctgatcc ttgggattta 240
10 cctggcaatt tggagaaaga gaggtacttc tttagcacia gggaagctaa ataccctaat 300
gggaaccggg ctaaccgggc aactgggtct ggttattgga aagctaccgg tattgataaa 360
cgggttgtga cctctagagg aaatcaaact gttgggttga agaaaactct tgtcttctac 420
aaaggcaaac cacctcatgg ctcaagaacc gattggatca tgcacgaata tcgcctctct 480
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15 aagaaaagag ccggttaacaa gaacgacgac gacgacggag atagccgtaa tcttagacat 600
aataataata acaattcgag tgaccaaatt gagataatta caacagacca aacagatgat 660
aaaacaaaac caatcttctt tgatttcatg agaaaagaaa gaacaacaga tttgaacctt 720
ttgccgagct ctcttcttct cgatcatgct tcaagtggag tcacgacgga gatcttctct 780
tcttccgatg aagagaccag tagttgcaat agtttcagat gaaatcttta atttaatttt 840
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taaaaaaaaa aaaa 914

<210> 438

<211> 914

25 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

30 <222> (1)...(914)

<223> n = A,T,C or G

<400> 438

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ccatcaggca gcccatggta cggatccgac cagtcgaagt acttgggtcc attctctggc 180
gagtcaccga gctaccttac cggagagttc cccggagact acggatggga caccgctgga 240
ctttcagctg atcccgagac attcgcaagg aaccgtgagc tagaagttat ccacagcagg 300
tgggctatgc tcggagccct aggtgcgctc ttccttgagc ttttggctag gaacggagtc 360
40 aagttcggag aggcgggttg gttcaaggcc gggtcacaga tctttagcga tggaggactc 420
gattacttgg gaaaccctag cttgggtccac gctcagagca ttttggccat ttggggccact 480
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gaggccgagg acttgcttta ccccggtggc agcttcgacc cattgggtct tgctaccgac 600
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45 tctatgtttg gattcttcgt tcaagccatt gtcactggta agggaccgat agagaacctt 720
gctgaccatt tggccgatcc agtcaacaac aacgcaggg ccttcgcaac caactttgtt 780
cccggaaagt gagccaagtt ttatcagttt gtattttgct tnnctttcag tcttttgaat 840
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50

<210> 439

<211> 914

<212> DNA

<213> Arabidopsis thaliana

55

<400> 439

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   catcctaata ataaagtaaa caaataaatt tgttggtact atagtcacaa acggttactc      180
   ttcaacttgg taccaggaaa tgtaactagg tgtttcagtg tgcaggcatt atttcttacg      240
   gaatgctcat cactactata gcttttaggt ttatctggca ggaggtggag ggccaaggga      300
10  ttttgccatg ccaacccaag caacaatccc acaagcgaga attatccaac cgcatacatc      360
   ataagtgaat tcagtgttcc tcttcttctt cttactactc tggctaacat tagatgaagc      420
   cattcctcct ccacctcctc ctctcctcct acctagtatt tgctgtccca ttccttgatt      480
   cataaactgc atatgcagtt ccggggcctt tagtgaggaa tccaaggact tgcgatatgt      540
   gtcattacct ggatcctcat tttctgctct ctggaaatat tcagtggcct tatcaaagtg      600
15  ctcttttgtc tcttcaggat cgtgaacata aaacgcgtgg gcggtgtacg cggtggcaat      660
   acaccaaaaga gcctgatgct tccctggatt tattgtcaag gcctcttcca acttggaaat      720
   agcatcattt aacatgagct tagcttcagg aataggctgg aactgtgaaa gttcaagtaa      780
   agctccaccc catttcagca gattctcgga atcaagagga tcgttcttgt actgagcctc      840
   agaatttttg cgagcatgtt cgaacatgat aaacctttca aagtcggcgg tagagaactc      900
20  catcttcaga ttca                                     914

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<210> 440

<211> 914

<212> DNA

25 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(914)

30 <223> n = A,T,C or G

<400> 440

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   ttaaaagaga tacatcttag aggacagaaa gaaacaattt ttgnntcaa taatacatta      120
35  ttgaaacgat ttttggggat caataatata ttaatgatta gctaataagg tatgtgacgt      180
   gcatagcaca gtttcaaaca catttaattc aacaatgggt gctcgctcgt agcgactggg      240
   acatgtggac ggtcaatgag gacattctcg tagatgaaac cggcgagtcc accaccgatc      300
   aacggtccaa cccaatatac ccaatggtca gtccagtttc cagagaccaa agcgggacca      360
   aaagaccggg cgggggttcat ggaggcgcca gaaaaggcac ctctgcaag gatgttggt      420
40  ccaacgacaa atcctgtgag aagtgggccc aacccatcaa gggatccttt cttcggatcc      480
   acaatagtgg cgtagacagt gaagagaagt gaaaatgtta agatgatctc ccatatgatc      540
   ccttgctgtg aactcactcc acttgccaat gtgtgaaccg gagttcccat tctccggtg      600
   aggtaactga ggaggaagca tgctgcggag gaggccaaca attgatcaat ccaataaagg      660
   aatgcacgga atacgctgat gtggccaccc aagagtagac cgaggggtgac ggcggggttg      720
45  aggtggccac cgagatatg gccnnngat atcattaccg ccacnnngaa tgcattgacc      780
   accgcgaccg cgaaaagtcc caccaatgtg tttccgacta aactgtcagt ggccatggca      840
   gatccaacac cagcgaagac aaagagaaaag gtagtgatga attcgacaat gagggcttta      900
   atgcagtcgg gttt                                     914

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50 <210> 441

<211> 913

<212> DNA

<213> Arabidopsis thaliana

55 <220>

<221> misc_feature

5 <222> (1)...(913)
 <223> n = A,T,C or G

<400> 441

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	gcacagcgag	aagtttagctg	ttgccttttg	ttgcataaaa	ctccctgaag	gttcaccaat	180
	acaagtgttc	aagaatttga	gaatctgtgg	tgattgtcat	aaagcaatca	aattttatttc	240
	ggagatagag	aaacgagaga	tcattgtaag	agacaccaca	aggtttcacc	atttcaaaga	300
	tgggtctttgc	tcttgtggcg	attactgggtg	aaaagagaag	agctttgact	ctctcattgg	360
15	tcaaacctga	ctgtatttat	atgcgttatt	gtgtggtaaa	gtttcgacct	ttgactttac	420
	aagttggcgt	taagaagaga	gatgcgtaga	tcagcgagtg	gttctagatt	tttggatcat	480
	tttccggcga	cttcaaggtc	tccgcctcga	tctcagagtg	ttacagctat	ggaagatgat	540
	gtggagctgc	ttttgcctag	gtacgatccg	aattcacaaag	cggggaagag	agagaagtca	600
	agattcagat	ttgcagaaaa	cgncnnncat	ttgattcctc	tcattcttct	tctctgtgtt	660
20	nnnatnctct	ggctctctct	ttattcagca	gcgttaagga	gttgagttca	agaagcaaca	720
	tgttgtcttg	tctccatgga	aactcatcat	attcagtttt	gggaaaggaa	acaattattt	780
	taccgccggt	gattatgtgc	cgcaaaccat	acgtaactct	tgtaattttt	ggttctgtag	840
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25 <210> 442
 <211> 913
 <212> DNA
 <213> Arabidopsis thaliana

30 <400> 442

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	acctcaaggg	cgtcgtgacg	gagatcatcc	acgatcctgg	tcgtggtgct	cctcttgctc	180
35	gtgtcacttt	ccgtcatcct	ttccgtttca	agaaacaaaa	ggagctcttc	gtcgccgccg	240
	aagggtatgta	caccgggtcag	ttcttgtact	gcggtaagaa	agctactctc	gtcgttgga	300
	atgttctccc	tcttagatct	attcctgaag	gagctgttgt	ctgcaacgtc	gagcatcacg	360
	tcggtgateg	tggtgtctct	gctagagctt	ctggtgatta	cgccattggt	atcgctcaca	420
	accctgacag	cgacactact	aggattaagt	tgccatcggg	ttcgaagaag	attgtcccaa	480
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	gtggtgtggc	tatgaatcca	gtggagcatc	ctcatggagg	aggtaaccat	cagcacattg	660
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45	gttaaaagag	ataaactttg	tttctcttgt	tttctatgtt	tcaagttttg	ttgtctgtgt	840
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<210> 443
 <211> 912
 <212> DNA
 <213> Arabidopsis thaliana

55 <220>
 <221> misc_feature
 <222> (1)...(912)

5 <223> n = A,T,C or G

<400> 443

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10	ctcctcgggc	acctcctccg	agaccactga	tcagaattgg	gttaccggaa	ctctagcggg	180
	tatgggtagt	atcaccactt	gggcagggtt	cttcattcta	caatcgttca	cgttgaaaaa	240
	atatccggct	gagcttttcg	tagtgatgtg	gatttgtgcc	atgggaacgg	tcttaaacac	300
	catcgcttcg	ctcataatgg	tgcgcgacgt	aagcgcatgg	aaagtcggta	tggactcggg	360
	cacacttgcg	gctgtttact	ccggagtggt	ttgttcgggt	atggcgtatt	acatacaaag	420
15	cattgtgatt	agggaacgag	gtccggtttt	tacgacatcg	tttagtccta	tgtgcatgat	480
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25 <210> 444

<211> 911

<212> DNA

<213> Arabidopsis thaliana

30 <220>

<221> misc_feature

<222> (1)...(911)

<223> n = A,T,C or G

35 <400> 444

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	aataaattat	atgtatttgt	atgtgtttgt	agaatgatac	aataaaaaatt	taaccgaagt	180
	agttgtttctc	actttcaatg	ttgccgtatt	ctaagtctct	tgtggttggt	tgagagaaaa	240
40	cacaagaaga	tggagaagga	ggatgagccg	ttgtagggtg	tgggtggagt	gttgggtcttt	300
	gtggtggtgg	tgcaatcacg	gaaacaccgc	cggagttgtg	aaatccggca	acttgggagt	360
	tggaaggtac	gatcaaagtg	gcgacagctt	ctcgttgctt	gtacttaaga	atctcggatc	420
	ttacggccgt	gagctcggct	tgtaaagctg	gacttggtgt	tgtagagctg	agatggctcc	480
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45	ggcatctgct	ctctggctcn	caggtaacttc	cattagcatc	ttggagacgt	tactagctcc	600
	aaagactttg	tggacggaag	cgaacttatg	aggctcgtgt	ggggagaaat	atggcgaaaa	660
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	attgaggggt	ccgggaggac	ccgacattgg	tcttctaatt	ccagccattt	gatgaggcca	780
	agcatctgct	tctcttttga	tcttcttccc	tatctcttca	aatctctccc	tttctcttga	840
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<210> 445

<211> 911

55 <212> DNA

<213> Arabidopsis thaliana

5

<220>
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 <223> n = A,T,C or G

10

<400> 445
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 ccaagtaata gtaaaacaga cacaaactat atatggaaca tgtggacaat gaaactagtt 180
 15 cgcctttcct tgtttccctt ttatcagacc atcttgact tgggatgtga cggcaatagc 240
 tgataacaag agataagtga tgaggcgaat ccgaaagcac ctgtgactcg ggnnttgact 300
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 20 tccccaacct caaccaagga tgtgcaaacc gaagaacca tccaacagaa aagtgatata 540
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 25 ccagggttggc catcactcaa gaacttgaa ccatattgaa tagctcgaca aatcttgtct 840
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35

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 gcttgtttca gatgaagcgt cagagcatag ttattcacct ctaaagtctc caactgttcc 180
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 45 gcttctaatt gctgcttcag catcatgttt tcctgttgga gattttgcat tgcgtcagta 360
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 gcgtctttca tgtcagaagc attcatcatt tccctaacaa aaagctcaac ccactctgta 480
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 aagcaacgga gtttcttgga gacgggagga gaagcgcggc ctaagtctc gaacagagat 840
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5  <210> 447
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   atctagggat gtcaaggcaa actcgtttta tagcttaggt gtatgaacat tctgtttatt      180
   ttgagagcca gtagatgatt agaaacaacg tacaagcagc gatgacagcg gagaggataa      240
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   tgtctccgag attttttact ttcccttgaa catctgaaaa cagagatcgt tgagagccaa      360
   gaactgctct tgtcgcttga gcttgaccaa tcacatcatc aatatgggat atacttccat      420
   ggattgaagc tctctccctt aacacntgca cacctggtga catactacca gaagccttat      480
   attcacttat gtcacccctg acagaactca gaagctcagc gtgttctctc aacgagttta      540
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   ctagtttttg agtaaccgat gttgtgggtg cagcagatgc agcacatcta ctcatggaat      660
   cattaatatc caacaacttc tcaagcaacg attgaatttc catctccata gacttccatg      720
   atctccccga tccaacggtt ggagaccagc tgtcaacata cccgccttga gtaaacctgg      780
   cgcctagctt agcgtgaagaa gagagcttaa cgtctagatc tccttcaatt ttacgagctt      840
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   tgagttggtg acagattcag acaaagtact tttgaacttg ctttcatatc ctctacacgc      180
   tacattggct agccctgaag ctaagcctgc tgtggaagac aaacttcatg aagtagcagc      240
   cagcctcata gctgcttatg acagcggaga gattccaagc gctttagaag aaggacaagg      300
   tgcttggcag aaatgggtga aagccttttg caaatccttg aaacgcaaag ttagtcatct      360
50  ctctaatagca gttaataacc aaacaaaatc tactttactt gagtgaacaa accttacaag      420
   agattcttct gatgctggtt acagggtaaa tcacttttca tgccactacg agtggtgtta      480
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   cttagggaga tagactggga agctttgaac aaagatgaga gtgtgcctct tgaatctaca      660
55  gccacagtat caacctgaga aaactccctt tttttttttt ttttccttca atatttggtt      720
   agttggtgag agaaagacag cccagagatt ttgattcctc gtgcatttct tgtttccgga      780

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5 aacaaatggc acaaagaaat ttgtagatta taatgtatca gcaaagcaaa cttaggaaca 840
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<210> 449

10 <211> 910

<212> DNA

<213> Arabidopsis thaliana

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<222> (1)...(910)

<223> n = A,T,C or G

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aatgaaaaga gacaaataga ggaagcaatt ttggnnnng ttttaagggt gagcaagnnn 180
tttgactatt gcagccatgt agtttccttg atgttcagca agagccaatt ctgtttctgt 240
tgcttctctt gacccatcac cagcgaacac acctgctcca taaggagagc ctccacgtat 300
25 cgagtccatc ttgaacattc cagctccaaa tgtgtagcct attggtacaa atagcatccc 360
atggtgcaca agctgtgtga ttgctgtcca tgcagtgggc tcttgggcac ctcccttgagt 420
gccagtgtc acaaagaaac cagcaggctt accagcaaga ctctgctcct tccacaatga 480
tcccgtcgaa tcaaaaaacg ccttcacatc cgcagccata caaccatacc tagtcggaaa 540
tccaaacaga aatccatcag ccgcgcgtcaa ttccgcgcgc gtaatctccg gaatctccaa 600
30 atccttaacc ggcgccttca tctgctcaac aacctcctgc gaaagcgtct ccggaactct 660
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40 <213> Arabidopsis thaliana

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45 <223> n = A,T,C or G

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50 tcgacttttg tctatctata cggatgattt gttctcatcg aaatgggttg aaatggattg 180
ccccaatggt gaggttttag ttcttaatat ctctcatta gactatgcat tgccaagctt 240
cattgctgaa atgaagaagc taaaggttct gacaatcgca aatcacggtt tttatccagc 300
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55 atcatttttc atgtgtagtt tcggtgaggt tttctacgac acagaagata tagatgtctc 480
taaagctcta tcgaatttac aagagattga catagactac tgctatgatc ttgatgagtt 540

5 cgccattgct tttggatcaa tatcaatctt tgtgtttcct tcttgtgtgt tttcttgggt 900
actttgttc 909

<210> 453

<211> 909

10 <212> DNA

<213> Arabidopsis thaliana

<400> 453

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	tggacgcac	aaacgaactt	gctctgtttt	tagctagagc	tgtgattgac	gacgtcttag	180
	ctccacttaa	ccttgaagat	atctcaacca	agctgcctcc	aaaatcaacc	ggaaccgaaa	240
	cagtcgcgtc	agccaggtct	cttatctccg	ccagacacgc	aggagagaga	ctcctaagaa	300
	gctggggagg	tggaaccggc	tggatagtgg	aagatgcaaa	ggacaaaatc	tcgaaactcc	360
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	agaatgatcg	gttactgaat	ctgcttgagg	agtgttttgg	tgaaggattg	attacaacta	540
	accaaataac	gaaaggggtt	ggtcgtgtta	acgacagcct	cgatgacttg	tcgcttgata	600
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<210> 454

<211> 908

<212> DNA

<213> Arabidopsis thaliana

35

<400> 454

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	gcaacaaaga	aactaaaaca	taaaaagaca	acaaacaacc	accaaagcaa	caaaaagaga	180
	aagaaaaaaa	aacgaaattt	aaaactctat	aaaagcagat	aatgtaaga	aactccatct	240
	ttgtataatt	gatcaaatca	aggttgctgc	ttagcatcca	tgtatccagc	atcaacaagc	300
	acttttctcc	tcttagcaag	ctcaagatct	tcatcaacca	tcatcttcac	aagcttctca	360
	aaccctactt	gtggtttcca	ccccaacact	tcctttgcct	tgcttgcatc	tccttgaagg	420
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	tctcctgcaa	atccccaatc	tcttgacgct	tgaacatcc	caaggaatag	cttcgtctgc	660
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	cggcgagggtg	actcgtgatt	gaacaagatt	cgtttacaag	cgaagagacc	gtacgcctct	780
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<210> 455

55 <211> 908

<212> DNA

5 <213> Arabidopsis thaliana

<400> 455

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	ggtgtggaga	atgtattcag	catagagggtc	cattgagtac	tggatagctt	caaccgcaga	240
	ctcagatggc	agaaaatcat	tactgcaac	ttccttggtc	tcgtttttct	tgtagtcttc	300
	gaagaaacga	cggatttcag	agagacgggtg	aggaggaagt	tctttgatgt	cagtgtagtgt	360
	cttatattca	ggatcatcaa	cacacactgc	aatgatcttg	tcatcttttt	caccttggtc	420
15	aatcataggc	attaatccaa	tggctctggc	acgcagaaaa	caaccggaa	gcacagggtc	480
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	accatagttg	tgagggtaca	caactgatga	gtagagaata	cgatcaacct	tgatgagtc	600
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	ctggttatct	ttagtttctt	cactcatctt	tggatcgaaa	cgaaacagcc	gattgttggt	840
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25 <210> 456

<211> 908

<212> DNA

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30 <400> 456

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	gcatttggtg	agcgcttgaa	gatcggagggt	tcggaagtga	gcaacaagat	cagtgtcgggt	180
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<210> 457

<211> 907

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<213> Arabidopsis thaliana

<400> 457

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5	cctttaccag	taacaatggc	ttggacaaaag	aatccaaaaca	tagagaacat	ggcaagacga	240
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	aatgggtcga	acgcacctcc	gggataaagc	gggtcaagtc	cttctccgag	tggtccacct	360
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<210> 458

20 <211> 905

<212> DNA

<213> Arabidopsis thaliana

<400> 458

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	ccccaatata	tatataaagt	ttatatattat	ccttccaacc	aatcaaagat	gcatgtacta	180
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	togatctggt	caacaccaa	tccgtcaccc	ttggattgaa	caagatcaac	gatctcgttg	480
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<210> 459

<211> 905

<212> DNA

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<220>

<221> misc_feature

<222> (1)...(905)

50 <223> n = A,T,C or G

<400> 459

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	tgtannnnnn	ncattagtga	gatctctgcc	tgataacttc	tcctgagatt	ctgtcgcttt	420
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<210> 460

<211> 905

20 <212> DNA

<213> Arabidopsis thaliana

<400> 460

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	cacgcgactg	caagctttac	attaacagcg	gctacaaagg	cagcccaagc	caaacacggc	180
	tttaccagat	taccagcgac	cggacttatc	tcattaaagg	ccttgtagca	tccgaataac	240
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	accggatccc	aaaccaaaca	gagcaaaaac	tgagctaagt	aaagatacag	agcattgggg	360
30	ttcttgtgga	agccaccgtc	aaccataaca	agccacgcag	ccaaacccat	cagaccacta	420
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<211> 904

<212> DNA

<213> Arabidopsis thaliana

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<220>

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<222> (1)...(904)

<223> n = A,T,C or G

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<400> 461

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20 <213> Arabidopsis thaliana

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25 <223> n = A,T,C or G

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	cttagtaaaa	tttctactac	ttgtaaaatc	aagtaatctt	aaagaaaaag	atgtattgta	840
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45 <210> 463

<211> 903

<212> DNA

<213> Arabidopsis thaliana

50 <400> 463

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	caacacacac	aaacaaacac	atcacacact	ctctctttct	aaacattggg	attatatggt	240
55	aagtagatga	atttcgagag	agagtgcgag	gcttaaggga	gtttagtaga	agtggccata	300
	agtagagcta	atctgagggt	tctgcaagcc	aaatttggtc	ttacttggtg	tctttagcat	360

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	cttgcttcaga	ttctactgtt	gcgatcggcg	atggattcac	tttcggcatt	gccttcgctg	180

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20 <211> 901

<212> DNA

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25 <221> misc_feature

<222> (1)...(901)

<223> n = A,T,C or G

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	cccaattcca	aagccactat	cggcgtcgag	tttcagactc	agagcatgct	catcgacggc	180
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<210> 470

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20 <212> DNA

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<211> 898

<212> DNA

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25

<400> 472

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45 <212> DNA

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5 <213> Arabidopsis thaliana

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55 aatgacgatg aagatgatat cgatgaggat gaagatgagg atgaagaaga tgaagacgaa 480
gatgagggaag aagacgacga agatgaggag gaagaagtaa gcaagaccaa aaagaagcca 540

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	cctcctgaat	gcaaacaaca	gtaaacaaaa	tcgaaaagtc	taaacgaaaa	ccagtaaaag	660
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<212> DNA

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25	taaactttca	attaagtaga	gcagcaacct	cttttgccag	ctccagatgt	gtcttcaacg	180
	ttaatcgttg	ttccttgccc	cggaaatggca	gaattagcag	ccgctgcttc	ttgagcagcc	240
	aaagcttttt	tgctgatgat	gtggtaaate	tctgctaaca	cggtttgaaa	tgctttctcc	300
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35	ccagaatcac	caatcaacac	gatcttgaac	aaataatcat	aatcctgttc	tacctatgc	780
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<400> 488

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20 cgaacgtgtt gcaagtgtcg cacttgggtcc ccttcttttc ttctccacct tcttgcttta 360
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caagtgcctg cttcttggaa ttactatgag gatcaacagc aaaatgaatt tcatgcatta 840
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45 gaatcaagaa tggtagtggt gtttaaattg agacaacaac agatgacaaa aggtcaacgt 240
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50 agtcattgca aggtccttcc taacggggtt cttcgtggca agtgatagta angatgtgat 540
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aagcttggag ttgtcaaaga actgattctc tggttctttc tctagcatga tctttctggc 660
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55 acccattgat gtccaagcta gaccatcac aacacctacc ggtgtctgct catagagctt 840
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 30 gtaaactcct gggattcttg cttcagacaa tgcaagaatt gtagtaagaa cagataaaac 840
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 gtataacatt tgtttagct aaatttgatg gtatccttgg tcttgattc caagagatct 660
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   tcgtcgttcc aatggccacc gaaaaaccag cttttctaaa aatggtactt gcataagaga 840
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   ggcnnnaaat caagtatgct tgtaggaagg cacttgacga cagtcaaccg aggatccgag 840
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caaagattca gaggagaagc tttgggttag agaacaacgt tgtcaaccaa ggcttctgta 240
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5 <223> n = A,T,C or G

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	tcttctcctc	agaaactgta	tcctcttttc	tcttatgttg	cagattcttc	ttccttcttt	840
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<211> 889

<212> DNA

<213> Arabidopsis thaliana

50

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<223> n = A,T,C or G

55

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	gagaacaaga	cgaannactt	gagcaattgg	agggaacagt	catgagcaca	aaacacattg	480
	ctctggctgt	tagtgaagag	cttgacttgc	agactaggct	tattgatgac	ttagattacc	540
	atgtggatgt	tactgactct	cgcttaagga	gagtgcagaa	gagccttgct	gtcatgaaca	600
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	ataagttcct	ctgtaggtcc	actggcctct	actctctatg	tgaatggttg	caatgtattt	780
	cctcattcca	catttggtggc	tgagcttttc	atttctcttc	tgttacccaa	accctttaag	840
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20

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25

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	tgaccgtgag	ctcattgggtc	cggctatgta	ctttgggtctc	atgggtgatg	gtcagcctat	300
	tggtcgctac	gacgatatgt	gggctggatg	gtgtatcaag	gtgatctgtg	accatttggg	360
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	ggtcacttgg	attgaagctt	gggatgagct	taaccacccc	actaaagctt	gagcagcaaa	660
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<211> 888

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<212> DNA

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<400> 501

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10	tggccttgat	tgcccacaaa	cctctcttat	ggtacatctg	agaccttgag	tattttaccaa	840
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<211> 888

15 <212> DNA

<213> Arabidopsis thaliana

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<400> 502

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	gatgatgatg	atgaggaaga	agaagaagat	gacgatgacg	atgatgatgt	tcagggtttg	180
	cagtcttttag	gtggtcctcc	tgtacaatca	gcggaagatg	aagatgaaga	aggtgatgaa	240
	gatgggaacg	gtgatgacga	tgatgatgat	ggagatgatg	atgatgacga	cgatgatgat	300
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30	ggtagagctg	aagatgagga	ggatgcaagt	gatttttgagc	cggaagagaa	tgggtgtggaa	420
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	aatgaaagtt	tctccaacaa	tttacctagc	tttctaagtt	attctgtatc	ttttcaattt	840
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40 <210> 503

<211> 888

<212> DNA

<213> Arabidopsis thaliana

45 <400> 503

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	ctacaccaag	atgcttgcaa	gcatcaacat	caacttgaa	ggctctgtttt	gcccctgcca	480
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	acccaaatgg	aaatactact	ggacctttgt	agaatctgta	tgtccttcct	ggataattac	840
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10 <210> 504
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 <212> DNA
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	tctgaaatca	ataagaacat	tctctcaata	acagagtcca	gttgatttag	cagactctcc	180
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	cattgctata	aaaggcacag	cagcatggac	agccaaaaac	catgcaggcg	aaaacttctt	480
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	ctgttggttt	ttggaagggt	taggtttctt	ctgttggttc	ttccatttct	ctgagaaagg	840
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 <212> DNA
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	agagatattt	gatgagtttg	taataagaaa	acgttaatgt	ttgtgaattg	tgaagttatt	840
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10  <223> n = A,T,C or G

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15  gannaagaac  tcatcgttta ctatctccga aaccagacca tgtctaaacc atgccctgtc      180
    tccatcatcn cnnnagttga tatctacaaa ttcgacccat ggcaattacc cgagaaaaca      240
    gagtttgagg aaaatgagtg gtattttcttc agccctagag aaagaaaata tccaaacgga      300
    gtcagaccaa accgggcagc tgtttccggg tattggaaag caaccgggtac agacaaagcc      360
    attcacagcg gttcgagtaa cgtaggtgtc aagaaagctc tcgtcttcta caaaggtaga      420
20  cctcctaaag gaatcaaaac tgactggatc atgcatgagt atcgtctcca tgattcacgt      480
    aaagcatcaa cgaaacgtag cggatctatg aggttagatg aatgggtact atgtaggata      540
    tacaagaaga gaggagcaag taagcttctg aatgagcaag agggtttcat ggacgaagta      600
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25  atggattaca tgggacccgt ctctcacatt gataatnnta gtcagttcga tcattctcat      780
    caacctgatt cggagtctag ttggttcggg gatctacagt ttaaccaaga cgagatctta      840
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30  <211> 886
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    tttatctatt gaatttttgt tttctctctg gataatattg tccagacgag cgccaaatcc      180
    ttctttcaag tgacacaacc atgacagaga catcatcatg gtacttcctt ctatctcctt      240
    gaggaatatc caacagatca tgaaactcca ttccgttctt ggtggcagca cgagagagaa      300
45  gctctgcaat gaggtattga gcaggatcgc cttcaggaac gttttcgatg aaccaagtca      360
    cgtgagcaac aacctcttcg ttgctgaagt attcatacaa tccatccgag gataaaacca      420
    tgaaacgatc gcttgaagtc agtctgtgat ggacgggtaca cggttcgcag gtgatgtacg      480
    ggtctgttcc aatgtactct acttggaaca tctcaagcaa agcttcattg aaatttggct      540
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<400> 509

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45	cagtccttga	ttgcttctga	gcacatgttg	atctgtgtat	atgcagcagc	cctgttgagc	840
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<400> 510

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15	tattaagctc	tattcatatt	tattctctta	ttaagcactt	ttcttttgaa	taaagtaagt	840
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20 <212> DNA

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<223> n = A,T,C or G

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15 <212> DNA

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<223> n = A,T,C or G

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 ttacttaaaa atgttggtta tttttttgtt tgttttagc tttgtaagtg tgggtgcatgg 840
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 55 accaagattc attcccatag agaggttcct atcgcatcta tagtgctcga aaccttcaga 780

5 tctaagcaaa agagacacca acgcgacatg gctcgaatcc atagcttgaa gcgagaaccc 840
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25 <213> Arabidopsis thaliana

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	aatagcatat	cagatggatc	attcagcgtg	gtctctgtcc	aggctcgatc	tcactgtgga	300
	gagggacttt	tgtctaactc	ggtctatgct	ctacttgagg	ttgcagctat	gtcaagggtc	360
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	tnnctgtcga	tgctctgttt	ctaattgtaca	gtaggagagg	aaaagaaacc	tcatgaagaa	840
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<211> 881

<212> DNA

<213> Arabidopsis thaliana

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<223> n = A,T,C or G

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35 <400> 529

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45 <211> 879

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<223> n = A,T,C or G

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<212> DNA

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40 <210> 551

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<212> DNA

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45 <220>

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<223> n = A,T,C or G

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aaccggagca tcaaatgatt tcatgcaagt gtcgcgggtg gctcgccaaa tgggtgagag 540
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<223> n = A,T,C or G

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40 <213> Arabidopsis thaliana

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<220>
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10 <210> 564
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35 <213> Arabidopsis thaliana

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50 gcttttatag tcttttggtt aagatgaaac atcatcgat ttaggttaga gagattttta 780
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55 <211> 869
<212> DNA

5 <213> Arabidopsis thaliana

<400> 566

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25 <211> 868

<212> DNA

<213> Arabidopsis thaliana

<400> 567

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	cattaactaa	aattggacaa	tggtggggat	tgctgcgga	gtatttttcc	tatataacac	180
	aaagaaaact	tatattgtga	gctgattcac	ttcatcgagc	aagagctttg	taatgccatc	240
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	tctttctttt	ccattctaaa	tgccatgaaa	ctccaacagc	tgaagagtct	tctgttgaga	480
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45 <210> 568

<211> 867

<212> DNA

<213> Arabidopsis thaliana

50

<220>

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<223> n = A,T,C or G

55

<400> 568

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	ccaaacaact	tcctctggct	cggagttgtg	atcttatcat	cattcgtcat	gtttctcttg	180
	ctcataggga	tcgtcacacg	ttactatata	tacctgttg	accataatac	aggatccatc	240
	tacaatttct	catatagagg	gctttgggac	atgtttctag	gaagtgcgtg	cattttcatc	300
10	tcttccagt	tagttttctt	atggcgcaag	aaacagaaca	aagaagggga	taaggagttc	360
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	cacggccacg	agagagagct	cgagagtgtt	ccctatcaat	ctatagtaca	agccacttca	480
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<210> 569

<211> 867

<212> DNA

<213> Arabidopsis thaliana

25

<400> 569

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<211> 867

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<212> DNA

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<223> n = A,T,C or G

<400> 570

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<210> 571

<211> 867

20 <212> DNA

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<220>

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<223> n = A,T,C or G

<400> 571

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<212> DNA

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50 <220>

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<222> (1)...(866)

<223> n = A,T,C or G

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<211> 866

<212> DNA

<213> Arabidopsis thaliana

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<211> 866

15 <212> DNA

<213> Arabidopsis thaliana

<400> 575

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	tctgaaacaa	aaacagaatg	caaaattctg	agatggaaga	aggataagaa	gagagagctc	180
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35 <210> 576

<211> 865

<212> DNA

<213> Arabidopsis thaliana

40 <400> 576

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	ctctagggct	tggcgtctcc	atcaaagcca	cgttgaagaa	atccaacgga	tgatagatgt	180
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	aacactcctc	catgagtcac	cactatcact	ctctctcctt	tgtgcttctt	agcaatttgc	360
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10 <220>
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 <223> n = A,T,C or G

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35 <213> Arabidopsis thaliana

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5 <213> Arabidopsis thaliana

<400> 579

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25 <211> 865

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<211> 864

<212> DNA

<213> Arabidopsis thaliana

55

<400> 581

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 30 aaaccatcaa cagagagacc agtgactagt gttacttaac aagtagaagt aacctttgcc 240
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 aatttgaagt ctctaaatct tgttgaaaagc gacaatgtca caactctgga tgtactcggt 240
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 aatcgtgaac ataattgtga gtttcttgat cccataacca actggtacaa gttttgaggc 360
 55 tccccagaaa agaccaggca tctcaacacc acgaacagcc tcttcaggtt tcttcatgtc 420
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20 <222> (1)...(863)

<223> n = A,T,C or G

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	tgtgtttaca	tccagataaa	gataatacag	atttgtgtta	catatataac	aaaagagatg	180
	ctgctttctc	agactatgcc	aaagaacctt	catgttcgcg	atatactctc	tccgcatgag	240
	ctgtagttac	gtaaactgca	ttggcaagcg	aactgttttt	ccgaccatag	aaaacataca	300
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30	ccaaaaggta	catgttgatg	agaatgcaga	tgataggtag	gaggggaaca	aacgggcaca	420
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<223> n = A,T,C or G

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	<400> 587						
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<212> DNA

15 <213> Arabidopsis thaliana

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<400> 588

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<211> 859

<212> DNA

<213> Arabidopsis thaliana

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<400> 604

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<400> 605

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	actgtaatca	ttacattaca	ataccaacta	tatacagtag	cattataaat	caaacgattt	180

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20 <212> DNA

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	cgagtaattc	ttgcggatag	gaacagcagc	gtcggagatc	gactcagggt	tggaataatgc	660
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	ggatgatctg	ttgatgaaat	tgcggaaagc	tgagtagcgc	atcgggtggt	gagattcgac	780
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40 <210> 607

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55	aagtcaatac	aagctcggtt	ccttgattgg	cacgtcgcaa	atctagaagt	accagacttt	600
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5 acatgattat aaagaaagac cagcaaaaga tatatcttat ttttcatgta aatcttttaa 720
 aagtacaaag ttcttctcgg tgatagttgt taaaaacagt tctctagaac atctgggtat 780
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35 <213> Arabidopsis thaliana

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 aagctcagaa acttggcggt ggacatttct caaaccaatc ttgaatgcta ccgatatttg 540
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    tgccaagaga cacaagaaaa aaaggtagtg gagttgagga actagtttga caaactcgct      660
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25  tttttgcaaa ctctagtagt tatttcttta ggatcaacat cataatctac tacgttcggt      780
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    <210> 611
30  <211> 857
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15	caaaggaaag	ttgagaacag	cttttcttcc	cctgagctta	aaagctgcat	agtcataagc	360
	ccttgacgca	tcaatatcac	tctcaaaaagt	gcctaaccaa	atcctggatc	ctttctttgc	420
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tgactcctaa aaagccatca gctatctgtt agctacaaca agcaatcagc agcaccgcgc      180
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<400> 618

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5	aaaggccacg	aggtcatcat	caagaagatc	ggtaatctca	agagcatcga	ccacttcgcg	240
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	gtcctttgca	gggaagccat	tgattttgat	tccagaggga	agatcagcga	cgcagagatc	780
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<212> DNA

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45 <400> 633

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	ttacattaag	aaatacatta	agcttttgac	acccaagctc	agcgaagaag	atcaagctgt	420
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	tacatctgag	ctcagatcca	gacataagag	acgagaatat	cgatcatgag	actgagttta	480
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<212> DNA

<213> Arabidopsis thaliana

<400> 669

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	taggatgttc	tccgggttta	tatcgagtg	aacaatcctt	gcatcacaa	cttcatgtag	780
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<211> 833

<212> DNA

45 <213> Arabidopsis thaliana

<400> 685

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5	ggagggcaag	tgcggatttg	agaagaagaa	acctgagatc	atcagaaggt	aagacgaaga	600
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	agatgctgcc	gaatcgtccc	ttctgtggtt	gtggatga	tgatgatacg	ccgaatttgg	720
	agtatttgag	atgctttcct	ctgatttcag	accaaccgat	attggccaga	gcggctacac	780
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	ctgaccgcta	acgtaagccg	aatcatccga	agccagaaac	aaagccgcct	ctgccacatg	180
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	atcgcaacgg	taaaannnnng	ctttgtcttt	cccagacagaa	acggcaacgt	tttgaccaag	720
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40 <213> Arabidopsis thaliana

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	agaagtgatt	ctcgtggcaa	ggaagttgct	agagactctg	atgacagtga	ggctgagtat	300
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 15 caatgatctt accaccaaca tctgggaagg tctcgtaatc aggaagaggg cttactttac 240
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 tattagcaga tcccatgagt acatactcat catctactat catccctttt gcgtgcacgt 600
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 gagcatctga ttgcaccgct ttcagttctt ttgctataac atcatacatc atctgcatag 780
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 35 tgaaagtaca ctcgatatat tttgatctac atttacttga cgaagtaagg aaggtcaaga 180
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 45 atgcccttcg ggacggcgag acgctgagaa agagaagcgg aggagaagct gtccttagc 780
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	acctcctcga	gcaagtttct	ggaagggtcg	gcttctgggt	acaagtttagc	ccagcttctt	300
	gaccaagtct	caaagtcttc	atccttccag	acgttgaagc	tagcgggatc	gacaatgggt	360
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	cttttaaggt	ttccaaggca	gagctccttg	aattttctct	gaatatcttc	aacacttttc	780
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<212> DNA

20 <213> Arabidopsis thaliana

<400> 691

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	ggcgaagaa	atcgtagacg	atactccccg	accgagttaa	gaagagcaac	cgcttgtacc	240
	gccgaaatct	ccacgcgcca	ctgcgcacaa	gctagagagt	actcccgttg	gtcaccgcgt	300
	agaacctcat	ttccaacaga	aacgaaaaaa	ctccaccgct	tctccgccgt	cgcttgattc	360
	cgtgagctgt	gctggtttag	acggttcacc	atggccgaga	gacgaaggag	aagtgggaaga	420
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	tggaactgcc	taccagccg	ggaaagatgt	gatcggatgg	ttaccggagc	agctagacac	600
	ggcgaagaa	tctttgatga	aagcaacaat	gatattcaaa	cgcaacgcag	aacgtggcga	660
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<211> 832

40 <212> DNA

<213> Arabidopsis thaliana

<400> 692

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<211> 831

10 <212> DNA

<213> Arabidopsis thaliana

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15 <222> (1)...(831)

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<400> 693

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	aaagcagaac	aataacgaaa	acggaaacca	aaaaaaaaat	tcagataatg	tttgcccttg	180
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	aatgttggtg	gacaaccagt	caagaccttc	gtaaagcccc	tcgcctgaag	tggcacatgt	300
	gctctggatg	taccagtgc	gctgacggag	agagtggaga	ccaagcttat	ccgtgatctc	360
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35 <211> 831

<212> DNA

<213> Arabidopsis thaliana

<400> 694

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	cttgggtcatg	aatacataca	ctctcaaggg	ggtagcagat	catcaagagt	ttcggaattt	540
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	gtttgttgat	aagtcctcat	gtgatcatgt	gacttgattt	cttgcaagtt	aaaaatttgt	780
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55 <210> 695

<211> 830

5 <212> DNA
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<220>

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10 <222> (1)...(830)

<223> n = A,T,C or G

<400> 695

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	agttgctggg	gtattgatgc	tatgctttct	atattacaca	caaacaatta	nnagactata	180
	cataacaagg	ctaaagactc	gatgtcgtat	gttaagaaga	ttcttgttgt	tgacgacgca	240
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	attgtccaat	aatatgagcg	tagtnnntgg	aatttgtaat	tgtttacttt	agttctattt	720
	attggattca	agttctgtaa	tggtgaaaag	aaaagatact	gaagggagat	gtgaacattg	780
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55 <210> 697

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5 <212> DNA
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<400> 697

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	cctccaactt	cctgcagtgc	tggcccagtt	gctgaagaca	tgtttcattg	gcaagctaca	240
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	ccaccggatt	atcctttcaa	accaccaaaag	gttgcattca	ggacaaaagt	gttccaccct	360
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	gatccattgg	ttccagagat	tgctcacatg	tacaaaaccg	atagagcaaa	gtatgagtct	540
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	atctcaaaca	aaaacattcc	ttctcctctt	tacccatccc	tatgtttcct	atctttgttt	780
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<212> DNA
<213> Arabidopsis thaliana

<400> 698

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35	ccgaaaccag	atgagcggtc	tgaaccacca	gagtaacggc	tgcttgatcc	ccttgaacct	360
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40	ttaacagccc	tggtttgatc	ttgaccgtgg	atgagaatcg	cgcttccttt	ctttccagca	660
	cgaccagttc	gccccgttcg	gtgaacaaac	gtctccgtgt	tattaggaag	ctcataatga	720
	attactaaat	cgacattagg	tacatcaagt	ccacgggcag	caacatcagt	tgcaacaaga	780
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45 <210> 699
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<212> DNA
<213> Arabidopsis thaliana

<400> 699

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	atgtctcgtc	ccctttcgaa	tcgacgggtca	agagcacatc	atccgcgtcc	tcctccggcc	240
55	ttaattcaac	ggttaggata	tcattctctca	gctccgatgg	gaaacgcggg	ggacctgctt	300
	tcgtcgggtca	gggtgttagt	atgtgtgacc	ttactgggac	tggtctaata	gctgtttcta	360

5	ctcacttcga	tattcctttc	atctccaaga	gaacacctga	gtggctaaag	aaaatgtttt	420
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	atgcagtttc	atatgtttaa	aaactaaata	ttccaagtgg	agtggttggg	gcttgtcgac	540
	ttgatttggt	atatgagcat	ttcaaggaga	aacctcactt	atttcagttt	gttccaaatg	600
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10	aaaaggtgga	gggtgtccct	gttttcgggtg	ctcaaaacct	ggacattgct	gttgcaactg	720
	cagatggaat	taagtgggat	acccataact	tctttgataa	agctgtactt	gataacattc	780
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15 <211> 829

<212> DNA

<213> Arabidopsis thaliana

<400> 700

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	catcacacgc	gtcgtgtcat	catcctccga	ttcaggcgag	tcaataacca	gagagacttt	180
	ccacggcctc	tgcttcgtct	tgaagacaa	catcgacacc	gatcaaataa	tccccgccga	240
	gtacggcact	ctcatccctt	cgattccaga	agatcgcgag	aaactcggct	ctttcgcgct	300
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	ttgaatgtaa	tcggatccat	aatttatcgg	ttctgagttt	aatccgggtt	ggtttatttg	780
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35 <210> 701

<211> 828

<212> DNA

<213> Arabidopsis thaliana

40 <400> 701

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	tcgccaatat	cactcgtttt	tgttttcatt	caaagtttat	gacagggaaa	acgatcatat	180
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	gttgacgtaa	agcaactggg	attgcacggg	aacatatctg	aagtttgcaa	tctgaagaag	360
	tggccatgct	ccgccttcaa	gagctagagc	cggaagaaaa	tctctcttga	gtccttcttt	420
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55 <210> 702

5 <211> 828
 <212> DNA
 <213> Arabidopsis thaliana

<220>

10 <221> misc_feature
 <222> (1)...(828)
 <223> n = A,T,C or G

<400> 702

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	gtcataccat	aagagtatta	ataaaacaag	acaaaattaa	gatagagaga	gtagcaacca	180
	ttgggaaaaa	ggctagtacg	agtcttggtg	aagcttaaag	cttgtcttcg	aactcagata	240
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20	cctgagtacc	tggctcaaga	gggtcagaag	acatcatttc	ccaatgatca	aacacacact	360
	gtgggaatgc	ctgtcctgag	gttgctgccc	taagctgact	tgagaatccg	aaagactcca	420
	caacaggcag	gtatgccttg	atgttgtaca	agggagtcc	tggcctctgc	atctcctcga	480
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	cctggatctc	aaccatgtaa	accggctcca	aaagtctggg	cttagctgtg	atctgggaag	600
25	cgtatatgac	ccttctggct	gtggggataa	cctgaccacc	tcctctgtgg	atggcatcag	660
	agtgaagcac	cacatcacat	acctcaaaac	agatacctct	catgttctct	tcagcaagag	720
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30 <210> 703
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 <223> n = A,T,C or G

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	gagctatttt	tgaacttgca	atatcccagc	cagctcttga	catgcctgag	ctgctttgga	180
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45	agcgactctt	ggaccgtact	aagcattaca	aggtgtgggt	tagctttgca	aagtttgaag	300
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	attacaaaga	ctccacacca	gagctgaagg	aagaacgagc	tacgctcttg	gaggattggc	480
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	aatacatcga	ttattttatac	ccagaagaat	cgcaaacaac	gaatctcaag	attcttgaag	660
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5 <211> 827
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<400> 704

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30 <220>
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 <223> n = A,T,C or G

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	gccccaaact	cttgggaaag	gaatggcatc	tttgatatca	ggaagcccgg	tcgcatacag	180
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	catagcatca	tccaattccg	cgaaagccat	ttcgggttcc	acattccact	tctctgcca	780
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 <212> DNA
 <213> Arabidopsis thaliana

55 <400> 706

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	tcatcatcac	attcacttat	tctcttggtg	taataaatta	tactattaat	tttcattttc	780
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	cttcttccgg	tgactggcga	taacacgaga	gagccttcgc	cttctccaag	cttcatactc	480
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 <213> Arabidopsis thaliana

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15 <400> 711
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35 <400> 712
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 ggtatggaaa ccgacaaagt agatatgaat tccatatctg gaaaagtcca cgcgctaaaa 300
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 tatttctctg tttgtaggag tctactgact cacttttttc ttcttgtaat gttttttttc 780
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<220>
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 50 <223> n = A,T,C or G

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 55 tgcgacgaaa agaaggcggc ggattcaaa aacacccaaa tacaatcga agacggagcc 180
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	attggaagct	gggaaattga	atgagagagt	tctgagactc	tttatggcat	ctggaaacga	420
	agaagttctt	tctgttatcg	acgccctcaa	aatcaaaatc	aacgtttccc	cgatccttcc	480
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	gcagtattcg	gatcatttag	gtagaaaaaa	caatgtgaac	aactgcagag	atacattacc	660
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	tatatataag	cttcttcttt	cttcggttct	tatgaagttt	tatgcaatca	tagaagcttc	780
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<210> 716

<211> 824

<212> DNA

<213> Arabidopsis thaliana

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<220>

<221> misc_feature

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<223> n = A,T,C or G

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	cgtttctttg	ttaccttctt	ctccctcctg	ttttctctgc	catctctttt	aacttccgctg	180
30	gttacaaagg	tgatctttac	ccggtcctaa	cgcttgacct	tctttgcacc	aagaactact	240
	tgatgggtgga	tataagatca	gagaaagaca	aggagaaagc	cgggattcca	cggtccctt	300
	cgaatgctaa	gaaccgcgtg	atctccattc	cattagaaga	actaccaaac	aaagtaaaag	360
	gaatcgtgag	gaactctaaa	cgagttgaag	cagagatagc	agcattaaag	atttcttacc	420
	tcaagaaaan	naacaaaggc	tccaatatca	tcatactgga	ctcgtacacg	gattcgggcta	480
35	agatagtggc	gaaaacgtta	aagggttctcg	ggtaacaaga	ttgctatatt	gtgacagatg	540
	gattctcttg	tggtcagagg	tggttgacga	gccgggttag	cactgattct	tacaacttct	600
	cgtttgacga	agtcttctct	ccatcgcgga	ttatcccggc	agcttcgaga	agctttggca	660
	ctagggtccg	aaccaagttc	cttcctagct	ccgactgaaa	acagaggata	tataaacagt	720
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<211> 824

<212> DNA

45 <213> Arabidopsis thaliana

<400> 717

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50	attcaacaac	attgcttttg	cttttaaaag	caaaaaacgc	atcactgaac	attgaacttt	180
	tgcttttgca	atgcaacgac	ctcttcgacg	gttggcatgt	agggcttaac	agcttcattg	240
	gccctaaacc	tctcggccca	tttgatcaac	ccaggtgttg	tctcttgccg	gagaaacttg	300
	acgccggaaa	acgcctcgat	cacagagatc	ggacctaata	gagccgaaca	agcaatgtca	360
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55	tcttcaagta	tcgccaaaaca	ctccatcagc	tttcccaccg	ccgccatttt	cccttcgctg	480
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	aggaggacag	ggacttttct	gtggatgggg	ttagatttga	gaaggagttc	actcttttct	720
	ttaagaacat	caggttcgtc	taagtactcg	tacttgacag	atttcaagtg	tagagccaca	780
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10

<210> 718

<211> 824

<212> DNA

<213> Arabidopsis thaliana

15

<400> 718

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	agctcacggc	ggccaccgca	gcctcacaga	ccggagcttc	caaaaaagcc	ataaacttca	180
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	taagccgagc	ccaatccacg	aagctcttcg	tctcgcgtct	aacacgtatg	aagggtctta	360
	agaagcgaga	ggcgaagcc	atcaaagatt	gcgtcgagga	gatgaacgat	accgttgacc	420
	gtttgaccaa	atctgttcaa	gaactgaagt	tgtgtgggag	tgccaaagat	caagaccagt	480
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	ctagaatcat	gaacgtggga	catgaaacca	gcaacgcttt	gtccttgatt	aatgcctttg	660
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	aatgtcttgc	taagagtttg	atgtgatata	tttttttcga	ttttggtagt	ttctttttgt	780
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<211> 823

<212> DNA

35 <213> Arabidopsis thaliana

<400> 719

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40	tgggtttgtc	ggaggttttt	tccctgtctc	taccaccaag	atcgcgaggga	aatcaagaaa	180
	aagatcagca	ttgttgaacc	tagacaaagc	accggagggt	gttacggagg	tcacaccaga	240
	gaagaacgag	ataacagcaa	tggataccga	gaaagtgggg	gaaccaatga	ccacaactcc	300
	tcttctgtcc	gagaaaagga	aagctctgtt	cgagccactt	gaacccatta	cgaacttgaa	360
	cggaaagcga	ccaactgcgg	ctgattcatt	gttgccaccg	ccggatttctg	agactgcaaa	420
45	ctacccaaaa	ggctggttga	tcggtaagaa	gaggaagctt	gtgaatgttg	atgtagtgtga	480
	gagcatgcgt	agaatagctg	tccaagaaat	gaacagaaaag	gatcgagaga	tagatgggtt	540
	aaacgagcag	ctagaagagg	attcacgggtg	cttagagcat	ctacagcttc	agctgctaca	600
	agagagaagc	aagagaacag	agattgaaaag	agagaacaca	atgttgaaaag	agcaagttga	660
	tatgcttgtg	aacatgatac	aagaagatga	cgaagaagga	gctgaagaac	cctaagctag	720
50	ttctcatcaa	atttatgtct	cacctataat	agctgtgttc	tgtttttttt	attcttttgt	780
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<210> 720

<211> 823

55 <212> DNA

<213> Arabidopsis thaliana

5

<400> 720

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	atcgattcct	acctctattc	ccgtcaacgg	aaacacgtta	cctagttctt	acggaactcg	180
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	aatatttgat	ttccggttcc	tagcgctttt	ggcagtagga	ggttcgctgg	ctggttcgct	300
	actctgcttt	ctcaatgggt	gtgtctacat	agtggaggca	tataaagtct	actggactaa	360
	ctgttcaaaa	ggcatccata	ccggccaaat	ggttttacgc	ctagtcgaag	ctatcgatgt	420
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15	tcactcgctt	catgatgttc	caccggaatc	cgatcgtgcc	cttagatcct	cttccctctt	540
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	gaaaacaaaa	gtgggacatg	tcattgttat	gattctgcta	gtgaagatgt	tcgagagaag	660
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	gtcctctgct	tctctttata	tcctccataa	tctccacaaa	ggagagacat	gaaccaatgt	780
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<212> DNA

25 <213> Arabidopsis thaliana

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35	catttattca	aacaaaagtc	caacacgatt	aaacaagaag	aatcaatatt	ccatcctttg	180
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	gtttcttcga	agaaataaag	aaagaaacct	tcttttagcc	cgagagagct	gcgttgatgg	300
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	gaatgatgac	catgtcgacc	tctttcccg	taagctcaga	tgtgtaagg	aggacaaaat	660
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50 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

55 <222> (1)...(822)

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 aaacaacaac tcttcttgta tgctttgtat tagctccctt gtatagtatt gttgtgcata 720
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25 <213> Arabidopsis thaliana

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45 <212> DNA

<213> Arabidopsis thaliana

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<211> 821

<212> DNA

15 <213> Arabidopsis thaliana

<220>

<221> misc_feature

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20 <223> n = A,T,C or G

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 ccggaaaaag gtcactggaa ctccatcttt gcccggtgat gtaaagccat ttttggaagg 660
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<210> 726

<211> 821

40 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 726

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 55 cttagcttat ctgttcttcg gaatagctgt agctcagcaa ccggataatc aagtctacca 420
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5 cttactctca ctattgggtg gcgttgaaac tttagcaata ccgagcccaa aggtagtga 540
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acacagaaga tatgggcaaa ggagaaaaag gtnncaagcg taagaccctt agagcctagg 720
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10 accatacaat tccaagttat aaaaacaaaa aaaaaaaaaa a 821

<210> 727

<211> 821

<212> DNA

15 <213> Arabidopsis thaliana

<400> 727

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20 ggtcgtggaa actggggcac tactgaagat gatatccctc caacgtctga ggaacctacc 180
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25 tctaacaaga agaaccacca tgaagaaatc ttcattcaagc tgggatctga caaggaaaaa 480
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gacacagctc agttcccttc gttgggctag taaagacccc tggctcctca gcctcgctat 720
30 ctctgtcttt cgtttctctt tgggtgaatt ttgtagttt tataattttt tgttacactt 780
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<210> 728

<211> 821

35 <212> DNA

<213> Arabidopsis thaliana

<400> 728

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<210> 729

55 <211> 820

<212> DNA

5 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(820)

10 <223> n = A,T,C or G

<400> 729

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15	aagcctactg	aatggccatt	gatttttaagt	cacattgctc	ctctccttgt	cttaggcagt	180
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	ttattgcaaa	aagtgtgaca	ttagatctca	ggttgagttc	ttatgttgct	cgccacgctc	300
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	aatccttttc	ttctagagat	aggtctgggc	ttctctgnaa	agtgtcaagg	ataggttcag	420
20	tctttttctt	ttaggtaata	aatctccact	gttcagataa	gttagtggac	acattttgag	480
	ttacttttgt	caagatgatg	ttaacaggaa	gatcggcata	aacaagcttg	gtgatcttca	540
	ggtgactacc	ttttgggggt	atgctgctac	tatnnntcga	aaggaggata	tgatgatata	600
	tacaggtcgt	tcacaacaaa	tgcaaaagtt	ggatgctcta	agatcatgtc	caattctctt	660
	gattggaact	atgctcttat	tgaggacggt	atgaagactg	tttcaaagtt	atcattttat	720
25	ttcttttggt	tttggtagtt	gaatgtgttg	taacttctgt	ttgggttgca	attaacgtaa	780
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<210> 730

<211> 820

30 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

35 <222> (1)...(820)

<223> n = A,T,C or G

<400> 730

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	ttttacttgt	tttgacata	cacacaaaaa	taaanaagac	tttatattta	tttacttttt	180
	aatcacacgg	attagctccg	gcgaagtatg	gtcgtcgtct	tcatcttctt	cctccatcat	240
	cagatttttt	cttaaatgga	agaaaccaa	cgaaactccg	atcttctccg	ttctcgtggt	300
	ttcctctctg	gctttttatt	ctgggattgg	gaattttctca	ccgctctctt	gcttttttagt	360
45	tgctgattct	ttttccttcg	actttctatt	tcgaatcttt	cttcttctct	ttgtgtatta	420
	gattattttt	agtttttatt	ttctgtggta	aaataaaaaa	agttcgccgg	agatgacggc	480
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	tgatgatcat	agcacagacg	acgtcgtttc	atggaacgaa	gaaggaaacag	cttttgctcg	600
	gtggaaaaca	gcagagtttg	ctaaagatct	tcttcctcaa	tacttcaagc	ataataattt	660
50	ctcaagcttc	attcgtcagc	tcaaacctta	cgtgagtttc	actctaacga	aaactcattt	720
	actctcaatt	taatgcttca	tttaattcgt	ttgggtgaatt	gaatcattct	ttttagtttg	780
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<210> 731

55 <211> 820

<212> DNA

5 <213> Arabidopsis thaliana

<400> 731

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10 tgagaacgaa agccatataa cgctgcatga cctgaaaggc tcaaagctct ctggaaacgt      180
cttcaacatc ctttttaatc taaacaaatt tatggcattt gaaaccggg atccgttcct      240
cattcgtcag gagcgcgaga acccgacatt gacagactgg gaccgttttg cacatagaga      300
gtatattcgg ctatcaatgg aagaagatgt tgaagatgca tccaatggaa gtgctgaggt      360
ttgggatgac tcgtcactgg aggctccctt ctgagttcaa agaggtagca agtcaacaaa      420
15 agaaaatcat aatctctaga atggatttta ttttttaaaa aaggaaacaa aaaaacttag      480
aagttgaagg ttatggatat gttgttattt catcatatta gttaatcatg caaaagagaa      540
acagaaagtc cctgagaaga atctttggag ctttgttgag aaggcaagtg aaaaaacaag      600
ggagaagcca gtagtatcat acttagcttg gattgtttt ctaacttctc ttcattttta      660
gctgatttta caactatatt gattaataat cgctgctgtt tagctcatcg ctttacggct      720
20 tcttcactcg tattgcattc actttgctcc atctctgggt tttttgtttg tacttttagag      780
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<210> 732

<211> 820

25 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

30 <222> (1)...(820)

<223> n = A,T,C or G

<400> 732

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gaatctccaa gatccacgat cgtgtcttca tcggtctttc tgggtctcgcc accgatgttc      180
aaacactata ccagcgcttg gtgtttcgtc ataagcttta ccagcttagg gaagagagag      240
acatgaagcc tgaaactttc gctagtcttg tctcagccat tctttannng aagagatttg      300
gtccttactt atgccaaact gtgattgctg gcttgggaga tgatgacaag cttttcattt      360
40 gcacgatgga ctctatcgga gccaaagagt tagctaaaga ttttgttgta tctggaactg      420
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aattgttcga gacaatatcg caagcacttc tctcatctgt tgaccgtgat tgtctgagtg      540
gttggggagg gcatgtttac attgtaacac caacagagat taaggagagg atcctaaagg      600
gaaggatgga ttgatctgct tcttctattc aagttgtttt ccgctgtaat ccggttttaa      660
45 gtagtgtaac cttcacatcc cggtttaatt atatgatcat tccttggtcg aaattatggg      720
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<210> 733

50 <211> 820

<212> DNA

<213> Arabidopsis thaliana

<400> 733

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5	atgggttcaac	cagcctgcc	ggaaaaccag	aagaagaatt	gcgaggcaaa	agaaggctgt	180
	gaagatcttc	cctcgtccaa	cttctggacc	tctccgccct	gttgtgcatg	gtcagactct	240
	taagtacaac	atgaagggtca	gaaccggtaa	aggattcact	cttgaagagc	tcaaggctgc	300
	tggtatccca	aagaagttgg	cgcttacaat	tggtattgct	gttgaccatc	gtcgcgaagaa	360
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10	agtcattttc	ccgcgtcgtg	cccgcaaggt	caaggctggg	gactctacac	cagaagagtt	480
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	ggaactcgtc	aagctgactt	cagaaatgaa	gtctttcaag	gcttttgaca	agatacgctt	600
	tgagcgcact	aacaagaggc	atgccggagc	tagagccaag	agagccgcag	aggctgagaa	660
	agaagagaag	aagtgaggtc	gttcttctta	ggtagaagaa	actttttatct	tatcaacttt	720
15	tggaactgaa	ttttgtgtat	cagactgtct	tttctttcat	cagtttttat	ccttaaatct	780
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<210> 734

<211> 819

20 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 734

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	atgtgtcacc	gagaaatgtc	gaaaacttgg	gagccaatta	gcatgctctc	ctttctgcca	180
	gagtgttggg	aatgtcgaat	ccaagagtta	ttacataagc	tttagtccac	ctgttacttc	240
	atcaacatta	tcaacagggtc	caagaatagc	cattactgtc	cttgaatttg	gagcgatctg	300
	tggtttttccc	gcatcaatgg	tgatatgggt	tggcagtgtc	agggctcttg	ctctttcttg	360
35	caaaactagc	atctcttctc	cacttttcaat	tttgacaaca	acttnnngct	gagcacaata	420
	ttcccatctg	ttcaaggcnn	ttggcgcccc	ttgaaggagt	ttntgtgata	aacctaaagt	480
	tgcatgactg	cattgagctg	caatcttccc	tttaccatt	tttaagatcat	tcctcacaac	540
	caaaaccatt	ttgaaatttt	tgcgaaaatc	agcgagtttc	tctatctcga	ggggttcctt	600
	ggacttgggt	ttcttattcc	cgctggatcc	tgcatctatg	gcgacagatt	tggaggagag	660
40	aaagattcgg	cgggtttgtc	gtaaagtgtc	gatgtaatat	ccnnntgcag	ctccaacaag	720
	taaaacactt	aataaccaca	ccaaatccat	acctccttaa	agtcttccgg	cggctgagct	780
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<210> 735

45 <211> 819

<212> DNA

<213> Arabidopsis thaliana

<400> 735

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	atcagaagga	ataacctcga	cgacggattc	acagccaaga	ttggcgtgaa	gatactcgga	180
	gacaacgact	ggtacagcta	agtccttaac	actttggaga	atgtgacacg	gaacagtgac	240
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55	gtcgggacgc	atattgaaga	gtgttctgct	gaattcttga	acggcgatgg	agtccatgtc	360
	gccaccgacg	gcgagtggag	cgaaacctaa	gcaccacgct	ttgtagtgtc	ttcggtatggc	420

5	ttcgaatagt	tggtttaagt	cttcttggtc	gaatccacct	tggtaatcaa	catcgtttac	480
	gtatctcgga	gaagcagaga	tcatgacgat	tttgagagaag	agatcaggac	ggttaagaga	540
	agccaagaca	ccaatcatgg	cagaaacaga	gtggccaaca	aagatacaag	actcaatctt	600
	gagatcttcc	aagattgcaa	tcaaactgaa	agagtagcct	tcgagatttg	agtaacgatac	660
	gaagtcgaaa	tagtcagggt	tggctgtacc	ggctcccatg	ttgtcgtaga	ggacgacgcg	720
10	gtaatcgtcg	accagatgtg	gaaccaagtg	tttccatact	gactgggtccg	tgccgaaccc	780
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<210> 736

<211> 819

15 <212> DNA

<213> Arabidopsis thaliana

<220>

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<223> n = A,T,C or G

<400> 736

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	ctcatgaaga	ttttaaacct	tggtgatgat	cggactgtga	tcattgcttc	ttgtatttgt	180
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	aagaatatga	acagtttggt	tctatctctt	gctcccaa	tcgtaaagct	tcagacttta	300
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	aatcagttgc	agtcactaaa	cttgggatgg	tgtgagata	taagtgatga	tggagttatg	660
35	agtttagctt	atggttggtc	tgattttaaga	actcttgatc	tttgtagctg	tggtctaatc	720
	acagatgaga	gtgttggtgc	tttggcgaat	cgggtgcattc	antngnggtc	attgggctta	780
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<210> 737

40 <211> 819

<212> DNA

<213> Arabidopsis thaliana

<400> 737

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	tcaacgaatt	tgtagatctg	atctgtgatt	ccatcggtga	cgacggatct	tcgcttacat	180
	cgtttgatct	gtcgcagatc	tgcggttttc	tatagatcta	gatctggatc	gtccttcgag	240
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	agaagatggt	ttgtggatag	ctaatagctt	cctgattgca	tctctgtcat	ccgacctttg	420
	ccatgtcagg	tgcgcttgca	tggcagggtc	aaaaactgat	cctcaataaa	aaaaagattt	480
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	gcagtgggag	attacaaatc	ttcttgccca	acaacctcga	gagttaaatc	aggtactcat	720

5 atccatatta aatcgaattc ttaattagca taataaggta aacataatct gcaagaggaa 780
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<210> 738

<211> 818

10 <212> DNA

<213> Arabidopsis thaliana

<400> 738

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 25 aggtagagta aagcaaactt ttacagact gatcagatcc tatccagtct tagtgaaatt 720
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<210> 739

30 <211> 818

<212> DNA

<213> Arabidopsis thaliana

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35 <221> misc_feature

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<223> n = A,T,C or G

<400> 739

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 gagatgtcga gatctcagtt ccttgtagctg tttttcaacc attctaaata cttgtcgctc 180
 ccaccagtga tgggcaacgc aattacttct ggcacactaa aggtaacaag taaaccatat 240
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 45 tttatatgca gaatacgtca tagaacaatg cttactcgta ttcgtgattt gcattgacat 360
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55 <210> 740

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5 <212> DNA
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<220>
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10 <222> (1)...(818)
 <223> n = A,T,C or G

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	agaacggatc	ngaagaagga	cttggagatt	ctgctgaggt	agaggaagct	cctatagagt	360
20	tcccaaggga	cattacaatg	gaagagnng	aaccaaccag	actcaacca	aacaggagat	420
	atgaggatca	gatggttcca	agcattactt	cttctttgat	cagacctgaa	gaagacgaag	480
	agtcgtctct	taatttgaga	aattcagtag	gagatagcag	agcagagggt	ccaaggaaca	540
	tggttaacac	caaccaagct	cagcagcgga	gagcagaacc	ggcttcaaac	caagtactctg	600
	ctatgattcc	agaatttaat	atcagaattg	ttgcagagag	cactgaagac	tcaacagcgg	660
25	aatcttccag	cagcggaagg	agagaaagaa	gcgaggcat	agtcctccag	tggtctccag	720
	ggtactcaga	gcagttccct	agtgaagaaa	atggtattgg	aggaggaagt	acaacgtcta	780
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<400> 741

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	gttattcccc	ttttgtaca	agcttccaag	tcttatgaac	ataaaaagca	aacgcaaatt	180
	tcgtgctgtt	ttgtttcctt	gatgtcaaac	gtagtttctt	gccaaacaaa	ccacataagt	240
	cagcaagcta	gctgagatcg	atatccactt	tttccggtac	acacctttct	ttttggttct	300
40	taccaagctc	tgttccaagc	tgaccctgat	cgctgcacc	aaacgcgaat	agcttccccg	360
	attccgtgag	cgcaaagtga	tgagcggtcc	agtatatgga	gttcgttaga	cttatctgga	420
	ccatccgctc	gttcacttgt	tttagcgatg	ttactaccgt	tggacttagc	acgtttgcat	480
	gtcgattacc	ctgttcatca	aaggatggat	ggtgaccgag	actagcggat	tcgccgcagc	540
	caaacgagta	aacatcacca	tcgtctgaga	ccacaaaagt	agtgtagtct	cctgttgcca	600
45	catgaactgc	tttgacatgg	cttagacctt	caacaacctt	agggactgat	tcacactcct	660
	cgttaccgtg	acctaaacat	ccatatcttc	cccaacccca	agtgcacact	cttccatcct	720
	gacctaccac	cgcgcatgc	caagcaccgc	ctgcaactac	cctaggttga	agattcaata	780
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 <212> DNA
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55 <400> 742

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   aaatatgtaa agagataaca gattggagaa aagctgaaat gttagcgagt gctttgaccc      540
   aaacagggtcc actgacgctg tttaagagat aagtcgatgt cgaggaccgc taagcccaat      600
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   attgagctct atcctcgaat tctcctatta gcttggcaac tttatctatc tccggcacca      180
   cattcttcac tgtttcatct gacaaannnc ggttggccca tctataaaga gaaggagttt      240
35  tnnattcgct tanaatnnnn ncttttttaa gcttctctct agctttcaag aaaaccaaaa      300
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   cttttgcttt tgcgtcttcc gatttagcga ccacagctgc catcaaagcc ggaaaccact      480
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   tgagaagaag ctcactctta gatccgaaca agttctcttc aacgtaatca taatcaaccg      720
   atttgagacg aagagcgatc tttactctta tcacgaccgg actgtaccat gttcccaaca      780
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   atcacattat attgaagaag agttggcatc ttgtctccat ccaaacgcaa cgtgtcagta      180
55  gtgaaatata aatcagacat gtggggatga gtaacctaaa ggattccgat tcagcctccg      240
   ccgtacgagc tcgattctgg tgaaagagtc accgtcgata caaaaatcga aacatgaatc      300

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	aaagtcagac	gatttcggag	tagagccgac	caatcaacgc	taaaaaagcc	attgatgtcg	780
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	atcaccagaa	gcataccag	gcttatgtta	ctaattacaa	taatgctctt	gagcagcttg	180
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25	tcaacggcgg	aggtcatgtc	aaccattcga	ttttctggaa	gaaccttgct	ccttccagtg	300
	aaggtggtgg	agagccacca	aaaggatctc	ttggtagtgc	cattgacgct	cactttggct	360
	cccttgaagg	tctggtgaaa	aagatgagt	ctgaggggtc	tgagtgcaa	ggctcaggat	420
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	acacgatgac	ataaggagat	gaaccagttc	cagctcagct	tttgttttaa	ggttgctctga	720
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	atgcattact	agtaactcga	gccacatgaa	ccactcttct	tctaactcgt	gatttgacca	300
	caccgtccat	aacctttcca	tcgaaaccat	ccagacacgt	tgtctcatcc	gttaaggcag	360
	cactaaccga	agtctcaacg	ttacttagtc	tccacaagaa	ctcgtctcga	tcacgaccag	420
	atcgaccaac	ttgcttcaac	tccctcatcg	actgagccaa	catctctaaa	ccgtctccaa	480
55	gattttcaac	acaatccttc	acggctaagt	actctctcct	tttgattctc	ctagcttttag	540
	tcagcttccc	tacatagatt	gtcgtggact	gaaccgggac	tagagtaacg	gctaaagcgg	600

5 tttgagctaa ctgggttttcg ttgcnngga ttttgtctgc aaaagcggca aggcatttga 660
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10 <210> 747
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 25 aaagcagaca acgtcaaaact ctatgggaaa atccggtatg tccaagacta taaccatgat 300
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 30 ataggattgc acgtccttgt cttcacttgt ctctaccgta tgtctgctta cagttatctc 600
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 50 agatataatg tggcttagag atccatttcc tcggttatat ccagatggag acttccaaat 240
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5 gtcagnnnca gtgcagaaca cgacgtggag tgnnnctatg aagtgtttgg aagattgaga 660
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 ttgcaagtcc aagtcccaa ccttctagct caaagagagt ctcttcacgt tccacattcc 240
 20 atcttagtta ctccccact gtttgtgacc aggaacccat ttaggacact tggggctgaa 300
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 aaggtgtgtc actgcgttct tcaccgcgtt ctgaagctca acctcgtcgg tcttgtcggg 720
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10 ggtcgaagtc tcacatccca cagcgccagg tttattgggt ctaaatgctc caattcaggg 300
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cggtggaaga agatgatgat gatgaaaaag ttctttaact cttttttact attttctacc 660
ttttcacttt tgttactatt ttacccttt tgttagatat gtacatattc tgtatgtgaa 720
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaa 815

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<212> DNA
<213> Arabidopsis thaliana

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30 cgcagaaaaat ttgagaaaag ctttctctga ggcagaagct agaaattccg agctggcgac 240
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ttcgccaacc agcagaacta tggccacacg atcaaaaaca atgcttttac cgagaactcc 420
agagaatgga aattatctta atggaggaac aaagactaca ccggacatga ctcttgctgt 480
35 acgggaacca gagtctgagg agaaaaccaca gaaacatctg aatgaaaagc aacaggaaaa 540
ccaggattta ctagtcaagt gtatttcaca aaatcttgga tacaatggag acaagcctgt 600
tgctgcattgt gtcatatata aatgtcttct tcaactggaga tcatttgaag tggaaagaac 660
tagcgtcttt gaccgtatca ttcaaacaat agctacagcc attgaagtgc cagataacaa 720
tgagggttttg gcgtattggg tatctaattc ggccacctta ttattgcttc tgcaacgcac 780
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45 <213> Arabidopsis thaliana

<400> 755
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50 aagacatata tagagtcgac atgggttttg ctctttttta agtactaagt gattggtaac 180
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55 ctccatagct cactttcact ggatcagctg gataacaaga cgacattcca acaatgtaac 480
cagcttcgtt tccaggttca tctccattgc catacttcgg cattgaagcg catatccctt 540

5	caccgtttctc	tcggtataga	gcaccaccga	taccaccagc	gtgctggtga	gctaccccg	600
	agacaatata	cccatcaa	ggcatcacta	agctcttttt	cttaacgtca	acgcatccat	660
	cgccattgg	tttgacgg	ttcacctcgt	attccacatg	gcaa	atgtcttggtat	720
	ctccttttga	tctttcccaa	gaatctgtaa	catcgaaa	atataacctta	gcgggcaaaa	780
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 <212> DNA
 <213> Arabidopsis thaliana

15

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	gtatatcaca	ttttaacttt	tgataattat	catcatcttc	cttaattgga	cttcatctca	180
20	acgtctgcgt	catctttagt	aagagtatct	ggagaatctc	gcggtaaaag	accgagaaga	240
	ggcagaggga	gcaatgagct	aagattgcag	aggataataa	gtgttgataa	gttaccacaaa	300
	ctgtctcttg	taatgccgaa	tgcttgagtc	agtcctgcac	ccataagccc	acctagaaca	360
	ctgcctccgt	tagagattga	catgagtgtg	gcgaacagag	ttgcttccat	tccttctgga	420
	cataatctcg	ctgctaacac	aagaaccggc	atgaatgaag	cctgagcaag	gactgttagg	480
25	attagagagt	ctcctatagc	aaaccattcg	tcgctaattc	ccaactgtct	gttaaaacct	540
	gacacgagga	taacctgagt	catcccaaga	cccgtgccaa	aaattgtcgt	cacgagaaaag	600
	atttttctca	atggaacagt	cttcaggaat	ccattgtaca	gtcctactcc	aagcaatgag	660
	gcaattgagg	tcacaagttt	aactcgtccc	agaaactccg	gggtaaaacc	gagtttgttc	720
	gttggtgaagt	aaaacattgc	agaatctgag	tgtggtgtgg	cttgccataa	gaatataaat	780
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 <212> DNA

35 <213> Arabidopsis thaliana

	<400> 757						
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40	aaaacgaact	ccctcaaaga	acacaaaagct	cacacaaacc	ccccaagtca	acatctcctt	180
	gttttaaacag	gtagttagta	cttagcggaa	acctccttcc	acgcagcacg	gctactaatc	240
	ttatcccacc	aagcgtaac	atgcttccta	tctttgatca	aatgagcctt	cccaatagga	300
	ccaacaagat	actcggtgaa	aggaaggtga	gccaaatcag	ctagactcac	aaaatcacca	360
	gccaagtatt	cgttcttaga	aagctgagct	tcatagacat	caagcacttc	tgcaagcttc	420
45	tcttcactct	ccttaataac	tttctcatca	gcagggaaac	ccataagtgg	tgcaaagaca	480
	atgttgagcg	ttaaagccaa	tagtggtgga	tggttaacttg	tagcctcaac	gtctaaccat	540
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	tacttctctg	ctatatacct	catgatcgca	cgcgactcga	agattttgta	gtctccgctg	660
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 <211> 814
 <212> DNA

55 <213> Arabidopsis thaliana

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 <400> 758
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 cagaacacaa catgtcaata aacctgtaaa cactctctct aacttggaac tagtctcaca 180
 10 aagtaacgta caacataaca tgctcacgga tagccatcga gcacgccttt gagtaggttt 240
 aacccttccg cagatatgct ccgcctcacc cgtgactgca ttcggatctc tatcctctgt 300
 ggaggatccg gagagaagca cacaacaatc actgtcaaat tgtcacatgt attccgttta 360
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 ttcctagcta ttgtcacagc gcactggctg ctcatcacat cccacagacc atcacatccc 480
 15 attatcaaga actcgtcgtc ttcactcagg tctgtctctt gcaactctgg ctctgggctt 540
 agcggacaag cagagccttt gggacctttc atgtgccagt ctccaatggc acgtgcaact 600
 gatagttgcc cgttgaggta accgtcatat acaactccac ctaacttttc tattcttact 660
 ttctcggctg tgcagtttgg tttgtgatct ttggacaact caattgccct acctcttctc 720
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<210> 759

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<212> DNA

25 <213> Arabidopsis thaliana

<220>

<221> misc_feature

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30 <223> n = A,T,C or G

<400> 759

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 35 tttcaactca ctctaactatg ttcttgtgac taatcgattc ctaatactcc agtgcaaagg 180
 gatggaagtg aaatcagcct aaatgtttct taatcattgt ccatattgcy tttgctgggtta 240
 ataataacta agtagcttct tgaagagagg aacaatcgca accatagcaa gttggagctg 300
 ctccggagctg ttaacacgaa cacttacttg ccctgctcct ctattgttca gattagcacg 360
 agcaattaaa ttagaggaac gtccaatggg aacctgagac tgtatgttcc ctccaatagc 420
 40 aagatcaccg tgccaatcca ttacagaaag tccaagagta gtcaaaaacc gaccaagcgg 480
 ataatcttta tctctcaact gagctnnnaa agtaccacca taagcaaaat ctccccgact 540
 agtcatagct ccaccagaca ttacgattct gaaccattta ctagcaataa acttatcttc 600
 gactttcaac cccgcagaaa ccgaatcacc caagtgtgtt acagaaagac cagctgcagc 660
 cttgtttctc ctgaaattgt taaatctcgt ttcgcttcga agagtataag ccaattcctt 720
 45 tccaacagtt tgcattgtcg aacctagggg agttgattta ccctctccat gtttaaccga 780
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<210> 760

<211> 814

50 <212> DNA

<213> Arabidopsis thaliana

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55 <222> (1)...(814)

<223> n = A,T,C or G

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tctccctgtc	atccaaccaa	caaccaaacc	gagtcctaat	tcccaaattc	gccaaacttc	180
10 cccaaattcc	caaatccctc	acttcctcca	ccgatctccg	tagcaaagca	ctatcactct	240
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15 aagtaaagga	gctcgatgag	caagccgccc	ccgtgatgag	agcagctagg	gctgagatcg	540
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agaaggttct	tccttctnnn	attatatttt	tgtaactgtg	gtaattctct	gtctctctat	780
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<210> 761

<211> 814

<212> DNA

25 <213> Arabidopsis thaliana

<400> 761

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30 tgatggaatg	ggacaggata	aaattctaag	actcagaagt	cgaagtcgca	cttgatcggg	180
aaaacaatgg	aggtagtgtg	agttccggtt	gaggtactta	aaggaagcct	tagatcatcg	240
caatcaacct	taggcttaat	cctcctaaac	ttcaagtccc	caagcttaaa	cctaacccta	300
agcctgaact	tgatctctat	attgtataca	ccggatatcc	tctccgcggt	taaagtcccta	360
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35 gtgtttttgt	gtccttgata	gaaaggagtt	aacgtgatgg	tactaaaccg	ctttccctcg	480
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acaggaacag	tgagggctag	gttatacctt	aaaatgttgt	ccgggggaagt	gtgggtcaaa	600
cgggtaaggg	acgcatcggt	cacgtgaaac	ttgatggcac	gaggtcggac	gatgagccag	660
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40 ctgaggaggc	agcagccaca	gccacgaccg	tgcccacgtc	ggtagtagcc	tttgggagct	780
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<210> 762

<211> 814

45 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 762

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tggtggaaga	aggagcatct	ggctgctttt	ccggtagtgc	atthtgaaac	acaggcagtt	180

5 tgtttataat tttcttattc attttgtgtc ttcagtttaa aaagaaaaac aactatagac 780
aatcattttt aagatatatt gagaaaaaaa aaa 813

<210> 765
<211> 813
10 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
15 <222> (1)...(813)
<223> n = A,T,C or G

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cagagtcaac atctctaaag acaacaaata agtaatcaaa caaatacaaa tatatctctt 180
ccataactcg aaactcatta atgaagaaaa cagcagatca taagattaaa cagagagatt 240
agagatgggt ttttaatatca tctctatctt catcaaccat atacttctga aacaaagcag 300
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25 aggcaatgcc actgtaatgg ttcaagatca cagcagactt ctcacgtcca acggagattt 420
tagagcaggt tttatccgag cttttcacaa gcaaaacatc gcacatctgg tctctgtgat 480
cgtcgtggac aatgaactta tactttcctt ctttgtctga tacagctttg tctgtgtaaa 540
cctcttccat tgtcttctcg tctttgcatg atagcttcac cgttgcaccg gggatgaagt 600
aggaggattc aggagtcnnn aagccgaatt tgcaaagtgn nnagtaggtg ctaccttgaa 660
30 cnnncattgt attctttcca atatttcccc tccttgccgc catggctatc gccggtaaga 720
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<210> 766
35 <211> 813
<212> DNA
<213> Arabidopsis thaliana

<400> 766
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gattaattaa tacaatacaa aatgaccaa acgaaccaa aagcacagca aataactaag 180
acaaccagat acaggacgat aaagacctct aatggcggct cttgatctct ctctctcttt 240
ctctctatat aattccttgt ctacttacct ctagttaagt gcagtcttct tcttccgcat 300
45 tctacaacct caagctttgc aggtttgtag tagactttgt tagggctcta caaaagtact 360
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55 <210> 767
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5 <212> DNA
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<400> 767

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	aacaatgcc	acgggttcaga	ttcagacgag	gggtggtgatg	atgatgggat	cgatgctgca	180
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	ttcacaaata	tctatccttg	tgaataagca	tgatcagtga	tgatgaccaa	tgaagtcttt	780
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<220>
 30 <221> misc_feature
 <222> (1)...(813)
 <223> n = A,T,C or G

<400> 768

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	tttatagcat	tcaacttata	tgcaagaaca	gattttctagc	aggggagttg	atccttgtag	180
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	gagctacat	atgttgaagc	atatattcct	acaccatctt	tgtttcggaa	tgttaccac	480
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	ccggaacat	agatcagata	tgtcacattg	actttgaata	aggcatctga	ctttgaagag	780
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50 <210> 769
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 <212> DNA
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55 <400> 769

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	ctctttctcc	actacgtca	tcttggtgtc	atcgtagtgt	tttaccgcct	ctacgatctc	420
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	gtcccttatt	tcattattgg	taattattcc	tttcatacga	gagatctcag	cgagactgaa	780
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20 <210> 770
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25	<400> 770						
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	tgaatcacac	aaaaacaaaa	gaagaagaaa	gaaacagaga	tgaattgtta	caaagataca	180
	aattcaataa	aggcttagaa	acatccacac	gttgcccttg	gtactacacc	agtggctcta	240
30	tacttagcac	ccatttcttc	agctttgaga	agctcttctc	cttttttagc	ttcaaccatt	300
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	agcttccagg	ataccaccct	aagaccaccg	tagaggagga	gaagaaagat	aaagaataag	600

5 aagattatca ttaaagatat taagaataat gatggttgat ttgctttggt tttttttttt 660
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35 <210> 773
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 50 agagccttca cgacaatact catgtttggt ctgaaatcag cttcgtattg tacacacaat 240
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 55 ggggcatggt aaccaaagggt tccaagaaca cgagttgaat gaaggcgtgc tgccatatca 540
 ggagcttgat ttgagagatc aaagtcagct atcnnnnnna catcgttatc aaagattaga 600

5	acattgctgg	attttatgtc	acggtggtg	acatgtggat	ttgccttttc	atgtaaatac	660
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	ccaggctttg	ctcccttcac	acctttttctc	ccgtgaagaa	tatcatgaag	agatccattt	780
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   ggtaggcttt tagggaaacg aacctgcatc cattgcttct catacgtaac caaatggctc 240
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   gaataaagga tgttcatgac ttttgtgggt gaaacaatca ggaactaaaa tgcacgaaa      720
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20

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 30 <213> Arabidopsis thaliana

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 agcttcttgg cagaaaccac agtagatgca ttttgtcatg tcgatatcgt acctagtggg 360
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 aacagaatgc gaggagcaag ttgctcaggg tttgtttgat ttggagaaca ctaaccagga 180

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	taccacaaga	aggatcatgc	gtccccccaa	gaaggggtgct	gctgttcaga	ggccacgtaa	420
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	aaactctctt	gattcagttc	cttggttcaca	atcttttaatg	ttctattttac	aatgactact	780
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	caatctgagc	catcataagt	gctacataaa	ctccagcggg	gaagggatac	aatggacca	600
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<212> DNA

40 <213> Arabidopsis thaliana

<400> 793

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	acaaggcaaa	acaaacctta	caaacagagc	aaagttgcca	aactgaaaca	aagaagcaga	180
	ccaaaacaac	caaaatttta	aacacaacat	ctcgtcaacc	acattaccag	acaaaggaaa	240
	ggcagagctt	tacaacaagc	cactccgtag	gggacaagga	acttccaacc	aaacggacag	300
	cgggtgccacc	tattacgatg	aagactacct	tacatagaag	agttccaagg	aatccatacc	360
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	cagatcttta	gagtagagac	aaggagagaa	ccaaatcaat	ctggaccata	ccgaaaaaca	540
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5 cataaactaa gcaaaagcaa cataaacttt acagcagagc aagagaggca taactccggc 780
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10 <212> DNA
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<400> 794
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ccaaacaggt ccaagagaag gtgtacaata tcgttaatgt tgagctctgc ttcattctct 720
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55 <400> 796

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<212> DNA
<213> Arabidopsis thaliana

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5 tgaaaaaaca aactcgagag tcgcatggta cagtataatg tcgctgggga tttgcattgt 660
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 aatatggatt gttcattctc ttat 804

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 55 gagaatgggt attgatagaa gtat 804

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 ccaccaatat gcttcatgtg cggaaagaca agaggacaaa ctctattgat tttgcagttt 720
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 aaatttttcc atatgannnc ttcatatnnn ncaccgtcct gacaagcatc ataacttttg 720
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35 <400> 804
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 tccaaacaaa caacaacaac aaatcgtttt tatgcctcgt acagatccaa gtatccccctc 180
 40 attttttatg gtaaaaaatt atctccacag gcaaataaat aaattttaatt gacccttata 240
 cggagagaag gggaaaaaat atattggatt ttaatagaaa gaaatcaaac atgttttttg 300
 taccttata atgcaaaatg cagaggatga gaggaatgaa tcacatcact cgtcttcggt 360
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 ctgaaactca acccagtga gacgcagcgc gtgaaggaaac gcgcttagtg tctccatcac 480
 45 cagcaaaact cccacgggtg cgaatatgaa caccaagacc ccaacgatca ggatcaacgg 540
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 gtgggcaaga ctgagagccc atagacgcag gtaagaagcg gtgttggaag cagctccaag 660
 cacaaactct atggtgtgaa tcagctgatg cacaaatata tcgctgaatt caaactcctc 720
 atgcccatgg gatcctcctc cgtttgtctc tacatgaaga ctctcatctg tctcgtcaaa 780
 50 aggtgcgtac gcttggcctt gat 803

<210> 805
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 <212> DNA
 55 <213> Arabidopsis thaliana

5 <220>
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 <223> n = A,T,C or G

10 <400> 805
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 accgtgagtc cttgtatggg cttcataacc aacagtagca gcaatggaac ttcgccgtcg 180
 tctgattggt gtaactcgct gaggtccttg accaccggag gaatgggatg tctttgtcta 240
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 ccccgctgct gtaacatgcc tagagtcctt cttcaatgcc aagccaatat tgctccagct 360
 gctgctcctg gacctgctgc tacatttgga ccacgatgt ctccaggacc agagacggat 420
 ccaattgttc cagagccaac tccggcagct cagacaccac agtctgatac aaccgcacca 480
 tttacaccat ccgtcgacgg tggagctcca acatcagacg acggaggaag caccagtcga 540
 20 ccttctgaga ctcttctatc cgcctacgca ctctcaccat ctcttctctt ctccagcatc 600
 gccctcgtag ctctcaaatt ctactgatga ttccttttgt ttctttgcat tctttatgtg 660
 atttgattta tgcctcgttg attatagaaa gaaaccattt atttggatcat tgccttgtgg 720
 aataagcttt tgtgtatact gttctctggt nnnagtgaga tttattttgt gttgttgaag 780
 taatacatca tcatttttat gga 803

25 <210> 806
 <211> 803
 <212> DNA
 <213> Arabidopsis thaliana

30 <400> 806
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 attttgcgtc cattgtcgag aaccttagtt tcgcgtgccg tcgttaacta ctcgctcgcg 180
 35 ccgttcaatg cgacgattcc ggctgctaaa cccgagttat gttccttctt cgggtggatcg 240
 atgactcatt tgaggttacc atggattcca atggctaacc attttcatag cttaagcttg 300
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 ttgaaacctc cagggcctta tgcatacgtt caatatacac ctggccagcc aatttcttca 420
 aacaatccta atgaggggaag tgtgaagaga agaaatgcga agaagcgcag agggcagcgt 480
 40 cgtgctttta tactgtctga gaagaagaag aggcaagcgc tgggtgcaaga ggcgaagagg 540
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 gctgaaagac tgattgagct tcaacagctg gaagaagaga agaagaaatc aatgtcttct 660
 tgagatcaaa catagaaata atcctaaatg acaatctctt ttcttgtctt gagttagaga 720
 attactcttc tttgttgtgt ttggcatggt ctcttgagag ttaactcgct atgttgtctg 780
 45 aagaactgag agttacttga aaa 803

<210> 807
 <211> 802
 <212> DNA
 50 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(802)
 55 <223> n = A,T,C or G

5 <400> 807
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cgattccaca gcacggttgt gggacactcg tgctgcaagc cgagcagtgc gtacctttca 120
tggtcacgag ggagatgtta atacgggtcaa gttctttccg gatgggtata gatttgggac 180
tggatcagac gatggaacat gcaggctgta tgacataagg actggtcacc aactccagggt 240
10 ctatcagcca catggtgatg gtgagaacgg acctgtcacc tccattgcat tctctgtgtc 300
agggagactt cttttcgctg gctatgagc caacagcact tgctacgttt gggatactnt 360
cttgggagag gttgtattgg atttgggatt acagcaggat tcacacagga atagaataag 420
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aaagatatgg gcgtttggag gacacaggag annngatttga agaagattta acgaaagtag 540
15 gagtcacnnn tccagttgtt ggtaatatn nncngtagtc gggaaagtaag gttcgggttg 600
tggaaggtgt ttggtttgaa atagtggagt ggttagaaga attaaacttc cttttttgta 660
gtgtgctttg atttatttat ttcttcattg ggaactaaac tccttcaaca cgctactcaa 720
tgtgaattct gtaatcaatt gtgtaccac cagtctttac tttaaaaaaa aaaaaaaaaa 780
aaaaaaaaaa aaaaaaaaaa aa 802

20

<210> 808
<211> 802
<212> DNA
<213> Arabidopsis thaliana

25

<220>
<221> misc_feature
<222> (1)...(802)
<223> n = A,T,C or G

30

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aaaatccata agaaaaagga aaccaaatac aaaaaacaaa aacgacgttt catcctcaa 180
35 acttgtctct atggtttaat aaattaacaa taacagaaga catctagagc tcactgtgag 240
actcatcttc ctctcagtc gatgattctc ctctgcacc tgggtgctccg cctgatctct 300
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40 cttggttctt catgttgatc acgtatgtct ccagggcatt cctggcgtcg atcttctct 540
tcaccttctt gtcttctct gcaaaactct ctgcctctt caccatccgg tcaatctct 600
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tgtctctctg tttcacatta agaataccgt tggcgtccac ttcaaagtgt acnnnnnttt 720
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45 agtccttggt gagacttctg tc 802

<210> 809
<211> 802
<212> DNA
50 <213> Arabidopsis thaliana

<400> 809
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55 ccactgacaa aatcattgct gaatacatat ggggttggtg ttctggaatg gacatgagaa 180
gcaaagccag gactctacct ggaccagtga ctgacccttc gcagctacca aagtggaact 240

5	atgatggttc	aagcacagga	caagctcctg	gtgaagacag	tgaagtcac	ttataccctc	300
	aagccatatt	caaagatcct	ttccgtagag	gaaacaacat	tcttgtcatg	tgcgatgcgt	360
	acactcccgc	gggtgaacca	atcccgaacta	acaaaagaca	cgctgcggct	aaggtcttta	420
	gcaaccctga	tggtgcagct	gaagtgccat	ggtatggat	tgagcaagaa	tacactttac	480
	tccagaaaga	tgtgaagtgg	cctgttggtt	ggcctattgg	cggttatccc	ggccctcagg	540
10	gaccgtacat	ttgaagacgg	caaaaccaac	ataaggaaga	agaatagatt	taccgaaagg	600
	aaaagtctct	caagcacgcc	ttttgctgag	acgccatgag	ttaggctcgt	ggtaacgggtc	660
	atacaacggc	tcaatccgtt	cttggcgctt	acgcttgctc	atTTTTgttg	ggtcagacac	720
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<210> 810

<211> 801

<212> DNA

<213> Arabidopsis thaliana

20

<400> 810

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	ttgtcccggc	tctcatcaca	gttgactctc	tcataccggg	ttttctttcc	tctggagggt	300
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30	gtactcgtgg	tggccagcac	actacttaag	ttacccccact	gatgtcatcg	tcatagtcca	540
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	ggagataata	aaagccgagt	ttgaatcttt	ttgttataag	taatgtttat	gtgtgtttct	660
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35	ttgttttgtt	aaaaaaaaaa	a				801

<210> 811

<211> 801

<212> DNA

40 <213> Arabidopsis thaliana

<400> 811

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45	tacgagattg	taacgcacag	ggcaaaagga	aaatccttaa	cgattagcct	tggaactctt	180
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	caattcatca	gcaaggcact	cagctatagt	cttgatgttt	ctgaaagcag	cttcacgagc	300
	accagtggta	atcaagaaga	tagcctgggt	aacacgtctt	agaggagaga	tatcaacagc	360
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	agagtactct	ccagcgggtg	ggggaacaaa	ggtagcatgt	ttagctgcct	gaactccaat	660
	tagtcaaca	agactgatgt	ctgtgaccgt	aacgtcgtca	taggtccagc	ggttgaagag	720
55	cttgacttcg	ttagtgagcg	cctgctgaat	ctcagcgtca	acatctgcgg	cggtggccat	780
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5

<210> 812
<211> 801
<212> DNA
<213> Arabidopsis thaliana

10

<220>
<221> misc_feature
<222> (1)...(801)
<223> n = A,T,C or G

15

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taacataact tcacatatgg taacgaggca aatgcagatt ttattttctag cattttttgt 180
20 attattcgtt ttatagataa aagattctac agagggtgtg gccttgactg aacaatgtaa 240
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aagaaaccaa ccgaaccgag tctctgaccg agctgctgtc taaacaccga gtcaacagtt 360
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25 agcttaccnn nagcgagtct ccattggtgtt cctctgttct ctgaagctaa agtctcacct 540
aaaccaggag cgatctcggc ttccacaagg ttactgtccg gatcagctgg actcactgtg 600
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tctcttttgag agacaccagc agctctacgg cttnnnacag ctcttcttgt gtagagagaa 720
gcccaaactt ggcaaaccga atctgaaaac accaaaggat ccgaggggact cacgttaggg 780
30 attgattcat agagtctctg a 801

<210> 813
<211> 801
<212> DNA
35 <213> Arabidopsis thaliana

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40 gtttttcgct ggcagctagc tgcaaaccct tctctcgccg cctatggttt ctgcaacacc 180
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tgctgcaaac actataccgc ttacgatgtc gataattgga aaggcgtaga acgttacagt 720
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<210> 814
<211> 801
55 <212> DNA
<213> Arabidopsis thaliana

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5      <220>
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15     tcatcgaacg acgatcttta accgagtcca ccataagacc cttgtttgta accgtagcag      240
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      gctccaagca tactcgaccg tccgattcca acgcaatgaa tcccacctcc tacgttaacc      420
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      gacccgctg catcgggtct gaaaaccgaa ccggaaatgt taagcttctt caaaccaa      720
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25     tcaggaaaag tcaacaaaga a
      <210> 815
      <211> 801
      <212> DNA
30     <213> Arabidopsis thaliana

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35     cgtagacggc ggtttggtga tgaacaatcc aacagcagct gccgtcacgc acgtgctaca      180
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40     gacgagcggc ggagcggagg agttgctgaa agagagaggt gtggaaacgg cgccgttttg      480
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      tctcgctgac ggccgttaag tttcctttat tattataacc ctccccgtcc gtgatgtaag      660
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      <210> 816
      <211> 801
50     <212> DNA
      <213> Arabidopsis thaliana

      <400> 816
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10 tggaggcggt gatgggaaaa tgggcgtaca cgaacctcat cttgtaacgg aaacctctgg 540
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<210> 817

<211> 800

<212> DNA

20 <213> Arabidopsis thaliana

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<221> misc_feature

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25 <223> n = A,T,C or G

<400> 817

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35 cggttgctga tgtaccggct cctgctccaa gcaagcataa gaagactaca aagaaatcga 480
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<210> 818

<211> 800

45 <212> DNA

<213> Arabidopsis thaliana

<400> 818

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   actatgttgt caaagagttg ccaaaactcc tgagtgaata cttttccag cttgacacaa 240
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   ggaacctcga taaatacaag tctgtatctg cgtttgcacc aatcacgaat ccataaatt 360
55 gtgcatgggg acagaaggca ttcaccaatt atctaggtga caacaaagct gcttgggagg 420
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	cgtgcaagaa	agtgaatgca	ccgctcttat	tgcgcctcca	tccaggatac	gaccactcct	600
	actatttcat	tgccaccttc	atcgaagacc	acattagtca	ccatgctcaa	gcccttgagc	660
	tatagctcac	ttcatctgct	tggaaaccgg	ctttgggttt	gtccaagtat	tagtatctca	720
	ataaagcaag	tggacttgta	atgttttatg	ttcaataact	cccctgtgtg	ctcttttgtc	780
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<210> 819

<211> 799

<212> DNA

15 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(799)

20 <223> n = A,T,C or G

<400> 819

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25	caaagatcct	agcccagtta	agctgaatth	aggagtgggt	gcttaccgaa	ctgaggaggg	180
	aaaacctttg	gttcttaatg	ttgtgaggaa	agctgagcag	cagcttatca	atgacagaac	240
	aagaatcaag	gagtatcttc	ccattgttgg	attggttgag	ttcaacaagt	taagcgctaa	300
	gctcatacta	ggcgctgaca	gtcctgctat	tccgggagaa	cggattacca	ccgtggagtg	360
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	tggtttgaca	gtgaaaactt	accgatacta	cgatccagcg	acgcgtgggt	tgaactttca	540
	aggtttatta	gaagaccttg	gtgctgccgc	acctggttct	atagtgtctc	tccatgcctg	600
	tgcccataac	cctactgggt	ttgatccaac	cattcaacaa	tgggagcaaa	tcaggaagtt	660
	gatgcatca	aagggttgga	tgccttctct	cgatagtgtc	tatcagggtc	ttgcaagtgg	720
35	aagtcttgat	acagatgcga	aacctattag	gatgtttggt	gctgatggcg	gagaatgcct	780
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<210> 820

<211> 799

40 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

45 <222> (1)...(799)

<223> n = A,T,C or G

<400> 820

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	acattcagta	acccgtaata	acgcagttat	gcgttacaag	gagaagaaga	aggctcgcaa	180
	gtttgataag	agagttaggt	atgcttcccg	caaagcaaga	gctgatgtga	gacggcgtgt	240
	aaaggggcga	tttgtcaaag	ctggtgaagc	ttatgattac	gacctctca	ccccaaccag	300
	aagttattga	agactccttt	tgaaggttac	atagatatat	atacatggcg	aagaatcgaa	360
55	caagnnnnnn	tttgacttat	gggcagtttc	aagttagcaa	nnnnnnaaat	tgtgggttag	420
	taacaaaaca	agactactgt	agcatgaaca	gatttcaaga	ctgactcttg	taagcaatca	480

5	ttcattcttg	ggattcaatc	gttttttttt	ggcctcagaa	gcttcattct	tgaccagagg	540
	gattattctc	tgacttttct	tgtccaaact	cgggtttctt	cttcttcttc	ttcaggcgtc	600
	tcacactgat	caggggtcca	tgaattttgt	tcttctcttg	gtagttaaaa	aggcagggaa	660
	ggagatttag	agtaatttaa	acaatatgtg	attgttgtat	atgcctttgt	atttgtttgt	720
	atactcataa	atgtttttct	gttttgtact	cggcattctt	gtaaattaaa	gacattatcc	780
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<210> 821

<211> 799

<212> DNA

15 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(799)

20 <223> n = A,T,C or G

<400> 821

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25	aggcccaaaa	cgagtccaac	aagggcaccg	cctaaagaag	aagatgggat	attcgtgatt	180
	ccaccagag	acacgtgtcg	ttagctggat	ttgcaaatac	acgtgttgga	ggaaaaatct	240
	taagctttcc	gacaacaacc	tccgccatat	gagctacaga	ttccggtgaa	aagaaatcat	300
	cgccgaatat	atcgaccttt	gattcttttg	tnncttcacc	gttaactaca	caatagatcg	360
	aaaggatata	atacagatcg	attaagagaa	aaccaaatct	gattaatcca	caactttttg	420
30	ctaaactaat	cgaagctcca	taaaaataac	agctaaaagg	caaattaaaa	taagcgacgg	480
	aaaattctta	ttttcttcaa	ctttagttac	caaactcgat	gagtttttgt	aaaccagtag	540
	atcaaaggaa	ggagctggaa	aagaaacacc	gttaagcgag	tgatcgctta	aaacacttcc	600
	accaacacat	aaccaatgaa	attattgaaa	cacggagaga	taacgctcga	ctacgccgga	660
	aaaacccaaa	agccagccaa	caccgctata	gaagccggac	gatgccagac	atagagccag	720
35	ccatcaatca	ctatgaaagt	aagatgctgg	acgaaagcct	gattacatca	ggatggcaaa	780
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<210> 822

<211> 799

40 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

45 <222> (1)...(799)

<223> n = A,T,C or G

<400> 822

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	agaaatgtgt	tcaaggtctc	aagcacacct	tttgctcaag	tgggttactc	cagtaagacc	180
	attgagtga	aagaatcaag	gataggaaag	caaccgatcg	ctgtaccttc	caatgtaacc	240
	attgcattgg	aaggtcaaga	cttgaaagtg	aaggggtccat	taggagagct	ggctttaact	300
	taccacgcg	aagttgagct	tacaaaggaa	gaatccgggt	tcttaagggt	caaaaaaacc	360
55	gttgaaacta	gaagagccaa	ccaaatgcac	ggccttttca	ggacgcttac	cgacaacatg	420
	gttgtgggag	tatcaaaggg	atttgagaaa	aagcttatac	ttgtgggtgt	tggttatcgt	480

5 gcaacagtag acggaagga gctggtgcta aatctcgggt tttcacaccc ggtgaagatg 540
cagataccgg atagtctgaa agtgaaagtg gaagagaaca caagaatcac tgtgagtggga 600
tacgacaaga gcgaaatcgg gcagtttgct gcaacgggta ggaagtggan nccaccagag 660
ccatacaagg ggaagaggat caagtattcc gatgagatag ttcggaggaa ggaaggaaaa 720
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10 caatgtttat gtgtatttg 799

<210> 823

<211> 798

<212> DNA

15 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(798)

20 <223> n = A,T,C or G

<400> 823

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25 tgaagaagga tgtgtctcct ttgttacctt ccatttctatc gaatcttcga gtttcttctg 180
gaaaatctgg aaacttaact ttctcttttc gcgcactctaa aagctcaacc accgacgcgc 240
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ccagctctca tctctcactc gctcgacaaa agtactcaga cgagtgcgaa gccgccatta 360
acgagcagat caatgtggaa tacaatgtct cgtatgtgta tcacgctatg tatgcttact 420
30 ttgatcggga taacatcgcg ctcaaaggtc ttgccaaagt ctttaaggaa tcaagtttgg 480
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ttcacagtgt tgcttcgagg aacaatgatg tccacttggc agattttatt gagagcgagt 720
35 ttctgacaga gcaggtgnaa gcnnncaagt tgatctcaga atatgtggct caactgcgac 780
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<210> 824

<211> 798

40 <212> DNA

<213> Arabidopsis thaliana

<400> 824

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atggcctctt ctttctcttc acaagccttc ttcttgctca cattgtctat ggttttaatt 180
cctttctctt tagctcaagc tcccatgatg gctccttctg gctcaatgtc catgccgect 240
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agcccaagcc cattaacagt tccggatatg ccttcgccgc cgatgccatc cggaatggaa 480
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55 ccttcatttt tttccctcaa attattagtg gtcattcatt tataatattt gagtttgtgt 720

5 ttgatgtacg attcagacat ttgtttgcat tatgtgctta ataagtttat cgttgactct 780
 aaaaaaaaaa aaaaaaag 798

<210> 825

<211> 798

10 <212> DNA

<213> Arabidopsis thaliana

<400> 825

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	tccaacaaca	aacccaaaga	cacataaatg	atcaatcaat	agacaaagat	tcatctaaaa	180
	atgatccaac	ggccagaaac	ccattacgat	gcaaattaaa	aaagcaaatac	acgaaaaatt	240
	catcagatta	acaacgttga	atttgacgtc	ttcagtaatc	ggtggtaggc	aattgctcgt	300
	gggcattttc	atcgatgaag	acaaagtcgt	agataattcc	ggcgagtcca	ccaccaataa	360
20	gaggaccagc	ccagtaaacc	cagtggttgg	tccacgtcca	gcttacgacg	gctgggtccga	420
	aagcaacggc	tgggttcgat	gaagctccgc	tgaaagctcc	accagcgagg	atgttagctc	480
	caacgatgaa	acctatggcg	attgggtcga	ttgttccgag	actaccgttc	ttgggatcaa	540
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	cgtttaatga	tctgactccg	gcagagagac	cgaacgctgg	gattggctcg	ccaccggtgg	660
25	caaagctaag	gaggaaacaa	gcggcgacgg	agccaagaag	ctgagcaatc	cagtagagaa	720
	taccacggag	gagagtgatg	ttaccaccga	gtaagacacc	gaaggtaacg	gcagggttaa	780
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<210> 826

30 <211> 797

<212> DNA

<213> Arabidopsis thaliana

<400> 826

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	gaggaagaag	atatgaaaag	aagagctata	aagaaacgaa	atttggctaa	cgattgaacg	180
	caaccgaaag	agcaacacca	aggacaagcc	atgctccaat	gaagtatccc	aaaatcctcg	240
	ttggtcctac	atcttccggt	tcttgaggag	gtggctcttc	cctggatggg	tccatgatgt	300
40	caacctcaaa	tggccacacg	taccgtttctg	ctttttcgtc	tcttgctaga	ctccaatcgt	360
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	tggtcttgag	ttgttcttca	tctagtcctt	gttccttcaa	ctctttaact	ctttctttgt	480
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	ttggcttcca	tgggaaagag	cacgtgcttg	gtacgtgatg	gaggactgat	tcaccgggaa	780
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50 <210> 827

<211> 797

<212> DNA

<213> Arabidopsis thaliana

55 <220>

<221> misc_feature

5 <222> (1) ... (797)
 <223> n = A,T,C or G

<400> 827

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	tggtcttatt	acgtttaatt	agatgtaaca	cttccaaaca	tggccttcaa	aacagccacg	180
	agcttctcct	tagggggcaa	gacttcctta	ataaagttaa	ttcccacgaa	atcttccgac	240
	caacgttgaa	gttttgaaa	ctcctccgcg	gtcatgatcg	tgacgcctga	agcttcttgg	300
	aaaatcccta	accaatatcc	tatgaaatca	gctgctatat	cgacaaatcc	aattgtctct	360
15	cctccgaaaa	aaagtttatc	tccaagctcc	ttttctaaac	atttcaaacc	ctcataagcc	420
	tctttcactt	ctttttctct	ttcactctcc	ggtccccaac	aagctttctt	cactgctaac	480
	attacctttt	catccacata	cttagcccaa	aaccgggcca	tggcacgttc	ataaggatct	540
	tgaggcaaga	tcgtgtgagt	tgtcttccac	gtatcttcga	tgtattcgac	aatcaccaat	600
	gattcggcta	tcgatctacc	attgtggatg	aggacagggg	ccnncttggt	tatagggttg	660
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<210> 828

25 <211> 797

<212> DNA

<213> Arabidopsis thaliana

<400> 828

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	tctctggaag	atgaaggaag	acgcaggaaa	ccctttgcat	ctcacgtcac	tgaaccatgt	180
	ctctgtcttg	tgccgatccg	tcgacgaatc	tatgaatttt	tacaaaaagg	tgtaggggtt	240
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35	gattggaata	cacctcctgt	gtgcccaga	accagagaaa	cttcccaga	aaactgcgat	360
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	gctggaggaa	atggggatag	attatgtaag	ggcattagta	gaagaaggag	ggatccaagt	480
	ggaccagctc	ttcttccatg	accctgatgg	cttcatgata	gagatttgca	actgcgatag	540
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40	ccagatgggtg	cagccacaac	cgcagactca	gatccacca	gtggtctacc	cttaattata	660
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45 <210> 829

<211> 796

<212> DNA

<213> Arabidopsis thaliana

50 <220>

<221> misc_feature

<222> (1) ... (796)

<223> n = A,T,C or G

55 <400> 829

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10 aagcatcacc ataacagtac aaaacattct ctataacaca attacaagac caaaaccaac 360
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15 tctttccatc aataacacta gcagcagggt ccgacctttc catctgcagg cttggagcct 660
cacgcaacgt gtgagaccgg cagtctagga tcacgactct agaggaacgc acattctcct 720
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20 <210> 830
<211> 796
<212> DNA
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25 <220>
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<222> (1) ... (796)
<223> n = A,T,C or G

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40 tttttctcct ccactcgtat ccttctaata aaagcttact gtggaacata ataaggattc 600
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ataataattt ggggtttcca ttttatttat ctttgtttac gttatttttt tctttgtttt 720
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ataaacgttg ttgttc 796

45 <210> 831
<211> 796
<212> DNA
<213> Arabidopsis thaliana

50 <400> 831
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atgatggaag ataactagag tagacaaagg gggtagtata ttacacagac aaaaggatca 180
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5 ggagtcttgt gaagcttgct gatgtcataa ccttcctcca ctgccttctc caccagctgc 360
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 ggctggccaa tgagagcgtg ctggtagtca ggatcgatgt agagcaccca gtagtctccg 480
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 10 caggtttcgt tcaagacgtg tatggtaccg tcggggttaa ggggtgtaggt ggcgcgagtg 660
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15 <210> 832
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20 <220>
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 <222> (1)...(796)
 <223> n = A,T,C or G

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 tcaccttctt ctcaccaagg aagttacgaa tctcaatact cttattgtta ccatcaatag 480
 aagcattgat aggaaaatga gcatacacaa atctcattct ataaagaaaa ccttgagtaa 540
 35 caccagcaat gagattatca acatggctta aagcattctt aatcgaagca cttgtcttac 600
 gagaacccaa ccaagaatca atcttaagct gacgttttcc agtgacttgg tctttaatca 660
 actggaaatc gagattcaga tgcttgaagt caccagtgag tttacctcgt ggaccttcga 720
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 aggacaaaat ggtctt 796

40 <210> 833
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 ttcatcatcc tcgtcggtga catggcggtt actgaattca ttggggatga aaactccagg 180
 50 ctggctcgat cttctcctag tcttcgacgg aaggatatta tccaaatcaa cctcagccaa 240
 aggatcatcg gagaaatcg tttcgctcgt ttcatacaaa ccttcgctat cttcatcatc 300
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 ttctcgtcgt tcttctctct catcttcttc atcctcttgc tcttcttcag ctccaacatc 480
 55 gccgattacg ccattctcaa cctcttcagc tgctttctcc gataaaaccg atgattctgc 540
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5 tccgtctttg gactcagaat cagcagaatt caatgaagga ttaagcttct gagccttggt 660
 tgtcacatta tcctggctct gacaaaacag atccgatttt cgcttcacag gaaacgaaga 720
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 acaataaaac aagtccccta ccaaagctgg ttcaaggatc tggtttgcca gcaattgcaa 240
 20 catcatcatc atcatcatcc tcattatctg agccgtattc ctcttcactt agttcttcat 300
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 ggtcgaacat aggactccaa gtttggttaa tcacatctaa acaaacagaa cccgacagtt 540
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 aagcatctgg aagctcaact cttatcttcc acacacctcc ttgatagaga ctgtctttgg 660
 gaccattgaa ttcaacatag aattcttgca tgccatcggt gatcgtttcc actttataat 720
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 40 ttgaactttt cctctttttc tcccctcttc aacttcagta gcatgttgta ttttgcagcc 240
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 45 cagggcttga cccacacttt ggcttcgtaa agcttcttct gtctgcttc gagaatctcc 540
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 aactcaagaa gtgcattctc tttcttggtg tgttcatcga cagcgaaacg agcgaggctc 660
 tcaacctcac cactgttctg attagcaggg acatcgccaa cactccgac taaagccatc 720
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<210> 836
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 <212> DNA
 55 <213> Arabidopsis thaliana

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   <223> n = A,T,C or G

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    tcagcgtaga atctattcga tttcgatccc aagttttttc cttagctcag gaacgaactt      180
    aatgatcttc tccgaatcag gaagagactt agccacactc tctctctcca cacacctttt      240
15  accccaagnn atcagttttg gacactcggc ttcaatgctg aaactcccaa acttctcata      300
    cgcttcaaac caactgtaaa atccaatgag agctatatca acataaccga atgtttcacc      360
    tccaaagtaa gtcttgcttc caagctcaga ctctagtgtc ttgagtatct cgatgaactc      420
    cttcttcccc gctcatgctt cttcgctttt agctccccc aatcaacctc ctgaagcata      480
    caccttctta tcaatgaaat ctccccaaaa tttggcctga gctcttttgt aaggatcaga      540
20  aggaagaagt ggggtttttg taggccaaac ttcgctgatg tattegatct ggatgagtga      600
    ttcacatacc ggannaccat tgtngatgan nnnnngtatt ttcttatgaa ccggattcat      660
    ctcgaggaga atcgggcttt tgttccacag atcttggtct ctgtaatcga atttgacatt      720
    tttctcttct aaagcaatcc tcgtcctcat tccaaacatg ctcggccaga aatcaagaag      780
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25  <210> 837
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    <213> Arabidopsis thaliana

30  <220>
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    gctaattggat cagtgaaga aggaggtgtc tctcaggaag cattgatgca catgcatggc      180
40  ttgaaagcta aagtcactaa acaagttaga gagctctctg tagaggcagg tggtaaagggt      240
    tctgctaaga aagatctcaa cacccaacga aatttggttc aagatcttgt tgaatttctt      300
    gaggatggat atgctcctga aacctcaaca aaagtcggag gggactattt acagacgtca      360
    acgtggtatc agatgataca gttgaattat ttgaagcatt tctagggggg tggctttatt      420
    aagcatatgc aggagaatga attccttcat gatgtattta gtttctactca gctcttaaca      480
45  aagcaagaac gcagttcctg gccaaagcaa ggatgttagc taagaatatg aacggtgggc      540
    attacgcagc tacagcaatg gaggaagaat gatggctcta caattgattt ttgaagaatg      600
    atggcacact catctgctgc ttttgaaaaa tgttggtgtt ccattagtac actttttctt      660
    gtttcatggt tttgatttga taattgggtc caatattata accannnctt agaaatgtct      720
    tttcatttat aacaattttc gaccgttgag tgtaattcct atgattcaac acttggtgtt      780
50  tctgttaaaa aaaa                                     794

    <210> 838
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    <212> DNA
55  <213> Arabidopsis thaliana

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    tcaatgtcac catcccagtg gatgggttatg atcctgttca gtttttcctt acaaaaactct      180
    gcgaatacaa tcaaggtaac gaaggaggat cagcgaaagg atgggctata tttggagttt      240
15  tttcctgctg attcctnnnn gcactctgcac ttttctgctg tgggggcttt atttataaaa      300
    caagagtaga gcgtgtgctg ggaactgatg cattgccggg gatgtcactt ctatcgggct      360
    tactagaaac tgtgagtggg agtggacaaa gctactcaag aactgaagac atcaacaatg      420
    cttttgccaa tgaagtctca tgggaccgct ctccgcctc ttctactcaa gcgacaacaa      480
    cacagagacc aagtgaaga acatatggtg cgatctaatt ttgtcaagtg cctcacaaga      540
20  ggtactgttt caagccatgg tatggcacgc ttgtgatctg cgattttctg attttgcctt      600
    gtatgtttat tttctacctt ctagaaagag gtcaaaaagt taatagcttc accgtgagaa      660
    tgttgttttc accagattca tgtgctatga tagaaaaaga caaagcaaac aagagttctt      720
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    aaaaaaaaaa aaa                                     793

25  <210> 839
    <211> 793
    <212> DNA
    <213> Arabidopsis thaliana

30  <220>
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    <223> n = A,T,C or G

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    tgctatcctt gatgagatgc gaggaagtct cgaaataaga ctagcagcag cactggagtt      180
40  gaaaaagact gcngagaaag aaaagaaaga caaagaagat tctgcactta aggcacttgc      240
    tgagcaagaa gccaacatgg agaaagtggg ccaagaatcg aagcttctac agcaggaggc      300
    agaggaaaat tccaagcttc gagattttct tatggatcgt ggtcagattg ttgatacctt      360
    acaaggagaa atttctgtga tctgtcaaga tgtgaagctg ttgaaagaaa aatttgaaaa      420
    ccgagtgcct ttaaccaaat cgatctcctc aagcttcact agttcatgcg gatcatctat      480
45  gaaaagcttg gtgctcgaga acccttctga gcgattgaat ggagtgactg aaacctcaaa      540
    caacaacaag ttcccagaag cagcagcttt ctcatgaac aaagagaaag atgattgtag      600
    agatcttctt gaagatggat gggacatctt tgacaaggag accgaacaag ttgtttggta      660
    ctgaagaatg aagttattgt acatataggg tacttaaagt ctaaaaaata atggattggg      720
    ttctactctt tttagaccaa aacttggatt gggatttata tgtggttcta gctttattta      780
50  acttatggat ttt                                     793

    <210> 840
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55  <213> Arabidopsis thaliana

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 ttcagagaca tcaaaactat atcctctctg cagaaaacca gcgtggacga gttgttattc 180
 ccaagaggaa atgctctatg tatgttggtg tctatgtgtc tcatacttga tggatcttcc 240
 15 acatgccagt tctgtatccc acagacatta aagcaagctc ccaaagcatg tttggaatgc 300
 tcaacatact gacttttagac ccggaattt cggaccattt cacagagatt tcaaccattg 360
 gtatattaaa acgcttgac aagtacacca attcaacatc aaagcaccac cttttcagat 420
 ggacgtttgt gaaaagtctc cttagcagcag cnctagtaaa catcttgaag ccacactgtg 480
 tatcccgaat accaggacca gcagctaata gaaccacaag atggaaaccc ttcacagaa 540
 20 agttgcgata ccatttcctt gtagcaagag ctttctcctc gagatgagca cgnnnaccaa 600
 atgcgganac ttgaacatca cctattttga aatccatata cttagatgct ggatttctga 660
 ttgaatattc ttctctggct actgcattga tctgattttc aagtttttct aggtccgtta 720
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 cttttcttat agc 793

25 <210> 841
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 <212> DNA
 <213> Arabidopsis thaliana

30 <220>
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 <223> n = A,T,C or G

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 aacacaccat tacaagcaaa gttgtgacaa aagacgaagt cgttnttgaa ccatctaaca 180
 40 cttttattcc aaactctcca actttgggtc tgctacgtac tcttcaagta gtcttttgat 240
 caaacaagac gtctacagag cgtgatacca tctccaatgg aaatctgaga gacctcgact 300
 cggggatcca aagccaattt tttattgaat tctataagag ctgctctata ttctctcata 360
 tgctccggaa ctccatcttc atcctccgcc acaaaaccaa accacaaggt gttgtcgaac 420
 gcaatgattc ccccaacctt caccaatttt agaagcctct catggaagtt gacgtagctt 480
 45 gatttgtcag catccgcaaa tgcaaaatca aactcacatt tgcgttcac caattggtct 540
 aaggccttaa gaccatcgga atggataaaa ttaatcttgt gatcaacacc agccttctta 600
 ataaactcta gtccaacttc gtaagcttct ttatcaatgt ctatcgcggt aatacggcc 660
 tcttcaggta aagcaagagc tgtagtgaga agcgagtaac cggtgaaaac accgatctcg 720
 atagtgtttt tcgcattcat gatctttaca agcatcgata ggaaatgacc ctcatcaacc 780
 50 ggaacctcca tc 793

<210> 842
 <211> 792
 <212> DNA
 55 <213> Arabidopsis thaliana

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   <223> n = A,T,C or G

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   attctcttcg gagcgtcttt accggttgcc gtgctgtgat tttgccccgc tttgggtggtc      180
   cggagggttt tgagctccgg gagaatgttc cggtgccgaa tctgaatcca aatgagggttc      240
15  ttgtcaaggc gaaagctgtc tccgttaatc ctcttgattg cagaatacga gctggatatg      300
   gacgttctgt attccaaccg catctaccta ttatagttgg acgtgatgtc agtgggtgaag      360
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   tgcattccgac ggcgttaaaga ggtacttata ctgactatgg aattcttttcg gaagacgaac      480
   tcacggaaaa gccatcatca atttcacatg tggaagcaag tgccattcct tttgcagctt      540
20  tgactgcttg gcggtgctttg aagagtaatg cannnataac tgacgctgag aatggagaag      600
   caggggaagc gcgtaagcgt aagcatgatg atagcagtga tagccctgct cctgtaacaa      660
   ccaagaaatc taaaaccaa gaagttgaag gagaagaggc tgaagagann nngaagtctt      720
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   agaaggaaaa aa                                         792

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   ttgccttaac cgcggttctg gcctcaaacg catatgggtg ggttgtagac atcgatggaa      180
35  acaccatggt ccacgaaaat tactacgttc tcctgtcatc ccgtggccga ggcggaggcc      240
   tgactctagc aggcgcgggt gggcagccat gtccttacga tatcgtgcag gaatcttcag      300
   aagttgatga gggcattccc gtaaaattct caaactggag gcttaagggt gcgttcgttc      360
   ccgaatcaca gaacctcaac atcgaaacag acgtcggagc cacgatctgc atccagtcaa      420
   cctactggcg ggtcggtgag tttgaccacg agaggaagca gtacttcgtg gttgctggtc      480
40  caaagccaga agggttcgga caagattcgt tgaagagttt cttcaagatc gagaaatctg      540
   gagaggatgc ttacaagttt gtgttctgtc ctcggaactg cgactctggc aatccaaaat      600
   gcagcgatgt cgggatattc atagatgaac ttggcgttcg tcgtttggct ttaagcgata      660
   agccgttctt ggttatgttc aaaaaagcta atgtgaccga agtttcgtcc aagactatgt      720
   gagaggacaa ctctcgatct tttactttga ctactcataa taaaacctct atgttttttt      780
45  tttgataaaa ca                                         792

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   <212> DNA
50  <213> Arabidopsis thaliana

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55  gaagctgcta aacatttcac tattatcaaa gaccacttaa gtaatgagat cttcttatga      180
   tggtaaaaac ctcaaggaac actatatcct atgtaaaagg gggaaaaaac ttcaatcata      240

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5 attgtaaaac ataatatgac atcagcagag aaagagagaa ctaaattcca ttctcaacag 300
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catgttggtg aatatgatct atagcaccat atacgtcttc tacaatttca acggtgcagg 660
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15
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<211> 791
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gaccatttgt taccgagtaa gctatggagt ttgatgatga tttgatcttc atcatcagta 600
aaattaccac gtttaagatc aggacgaagg taattaatcc atctcaatct acaactttta 660
ccacaacgca acaatccagc ggatttagga agagaacgcc aacaaccttc accgtgatta 720
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40 <213> Arabidopsis thaliana

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50 tatgggtgatt gtaattgcag aaggtgcggg acaagatctg ttgtctgaaa gcatgaaaga 180
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5  gaagcaagct gacaagatcc actcaaacca gttggttggt gaaccagggg ccatgaaatg      600
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   gggaagtaag gtttcttaat ttaatagaaa gcttttcaaa aattgtttta taatattctt      720
   caagcaaaga gaagagagag agataactct tgtgagaata atgtaacaac tcttggttcc      780
   aactacaact t                                     791

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    <213> Arabidopsis thaliana

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    aacacactcc gagatcgcg ttaagcaaac tttatccaaa gtactaacag gtccattgat      180
20  aaacacaata ggcttataac caccaggtct cccaaattta gaattgatct catcagcaat      240
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25  ctttatcgat tcaatctgcc ccatatgaat cccaacgggc aatatcttga tgctcaccgt      540
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    gcaattcaga aaccttttga gaatctcgtc tctcacagga agagtacggt aaatctccga      720
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35  <213> Arabidopsis thaliana

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40  <223> n = A,T,C or G

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    aaaatgctgt aaaatcgtgt ctccatttta ttggaaaaaa aaaaggaaga aaaacgaaaa      720
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 aaccttccaa catgcgaaa atatatatgg agcgttcaca acatagtacg tgtttgtctt 780
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acttggggta aaaggaatttt tgattttttgc gaagttgatg aggactttga tgtczgactat      300
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gtggcttatc aatctttatz tgaaaagctn nntgtgaact aagagttaga taggtcttga      720
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30 <213> Arabidopsis thaliana

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atcattgczg caatzgaatz tcgaaagaac acggacatzg czgtgctgta ttggtttact      300
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50 <212> DNA
<213> Arabidopsis thaliana

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<211> 787

<212> DNA

20 <213> Arabidopsis thaliana

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35 <212> DNA

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<400> 861

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40 <211> 785

<212> DNA

<213> Arabidopsis thaliana

<400> 862

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	gcggagtcgg	tgcaaccgaa	caagggaagc	ttccacattg	tccagtaccg	tccatcatag	420
	tatccgggtg	agttaccgtg	ctcacgggtac	acaaatccgt	gtcccaactc	gaattcaaca	480
	caagggaatcc	acttggttgc	gataaggtag	tcaacttcct	tagccaattc	ggaatcggtg	540
	aggtcaggaa	ggtaagagag	agtctcaaac	ttcttctttc	caatcgaggg	ccacacctgc	600
55	atgcagttaa	ctcttccgcc	gttgcttgtg	atggaagtaa	tgtcgttgtt	agccttgccg	660
	gtggctggga	aggcagcgga	ggacttaagt	ccgttgaaaag	gagcgaccat	agtggcctga	720

5 gccggagagg caaccatagt agcgggaagag agcatagagg aagccattgt tcttcggacg 780
cgtgg 785

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10 <212> DNA
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<220>
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15 <222> (1)...(784)
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gtaaggccag gagaggetca taagctaata taaattgcgg gagtcagttg nnnnnncgat 660
30 aaatgtagtt ttacttttat gttccagttt ctttcctctt ttaagaatat ctttgtctat 720
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35 <211> 784
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tgaaacaccc atctggcatg gaggtgtgta tcaacgcaa ggttttgag agttaccatt 180
tagttgatga tagtgatgat acttacagat gtacattgcc aaaagttcag ttaatgagtt 240
ttgaagttta tccagtactg gttttaaggg tcaactccac acaggaagat tgtacagttg 300
45 agctgctttc ctgcaagttg gaaggatcag agttattgga gaaccaaagt gaaaggtttt 360
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cccttctgct tcagcaatta cttaaagatt acgacgaatg gattaaaaaa cagcaacgga 600
50 actccttaaa cgcaacttct taatctatta ccaatgtttt gtcaaacggc cgaggcagga 660
tttggtgggt cggttttgcc gtttgagatt acagcgtgta ttagagatag ctctgaatta 720
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aaaa 784

55 <210> 865
<211> 784

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   <220>
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   <223> n = A,T,C or G

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   catccataag aaacctaaat gagcaaatca gtcacttggt aaaatatgca aaacaacaaa      180
   agatgactta gacttgaaga cttagtagta gtactgtaca ttcacacgta cttcccttc      240
   cctgtctgtc tctgttcggg aatcagtgat gtcccacgtc atcaatcatt cagacaacga      300
   ttgtgccacg tcattcaact acagtcacct cctgatcaac cttccagtag ttagtgctcg      360
20  tgtactcctg catactatca tcagggtctc cctttcccgg tgaggctgtg gtgggtgttc      420
   tcttcacggt tctgtcttct ccactatgc cttccttgag agcttgatcc attgcccttt      480
   cagttccttc tggctcaact ccacaaaact caacatcttt tccaaacaat gaaggtagag      540
   gtgggtgatc cggtgtaact tcaccttctg aggatgaaga accgtttggg attctcacat      600
   caggcatctt cacatcatct gtacttcccg gtgcaatggc tgaagatgaa tcattacggt      660
25  caaccattc aggtgacaat tcattctgtac ccacatcttc atcaatctcg atatcagcgt      720
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   gctt                                     784

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30  <211> 783
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   <213> Arabidopsis thaliana

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   aaggccacaa ggaaatcgcc ttgataagca agagtttact gaacttgtga agaggggttc      180
   gacagcagag gacttaggtg cagggaatgc tgatgctgtg tgggttcacg gtcttgata      240
   tgctaaagca ccacgacctt gggaagatcc gagcaccttc gcatcctctc agaaagaaga      300
40  tgcagattca gcacgcttac cagcagatac atcaggggtc aaaactgttg aagatggacc      360
   ggatgatgtt gagagggacc aaaagaagga taggcgtgag gaaaggaaac ctgcaaagag      420
   agagaaggaa gaaagacatg ataggcgtga aaaacgcgaa aggcattgaga agcgaagcgc      480
   tcgtgattca gatgatagaa agaagcaca gaaagagaag aaggagaaaa aaagaaggca      540
   tgactctgat tctgattgaa gcgaattgtc ccaggatgga acattttgct cttcagagga      600
45  agagtggctg gctaggtacc aaaatccagc taccacttct gcaagattta aatctgttgc      660
   ttatttcatt tacgaatcgt ggagtaaagt gttgttgaa attgttgaaa atgtttgtta      720
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   aaa                                     783

50  <210> 867
   <211> 783
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55  <220>
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 <223> n = A,T,C or G

<400> 867

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	gagctacgac	tgcgacgtgt	gagttccgga	ttcctgtaga	agtttccact	ccatcagata	180
	gaggatcggt	ggttggttct	tcgcacaaag	tcactgttca	cgatcgacaa	cgaggagtgg	240
	ttcacgaatt	cgagggtcca	gaggatcagt	atatattgca	ttcagctgaa	tctcagaaca	300
	ttagtcttcc	gtttgcttgc	aggcatgggt	gttgtagtag	ttgtgctgta	cgtgtaaaat	360
15	ctggagagct	gaggcagcct	caagcattgg	gaatatcagc	agaactgaag	tcccaggggt	420
	atgcacttct	ttgtgtgggt	ttccccacat	ctgaccttga	agtagaaaaca	caagacgagg	480
	acgagggtcta	ctggctacaa	tttggaagat	actttgctcg	tggaccaatt	gaaagagacg	540
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	aaagtggcag	actttctgta	ttagagggtga	ctagttaggt	caactttctt	agtcctgaat	660
20	atcgtgggtgc	atcctcgtaa	atctcttact	gaactcaacg	atattccgat	taaacttctc	720
	aacaattcaa	catttcatga	aaaactttac	aatcatttaa	caataaactc	caaatccgaa	780
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<210> 868

25 <211> 783

<212> DNA

<213> Arabidopsis thaliana

<400> 868

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	aaagtcattt	caaacatgaa	accaagccct	cactgtttta	aacaagcacc	acaaggctaa	180
	agtgtgtcaa	aagaacagca	aacagaagcc	tgcaatgggt	tttagattga	tcagaccgca	240
	aggatctatc	ttccttgaaa	gtataaagcc	aagtactcga	gctaaatgca	gaatcaagcc	300
35	ttgaccgcaa	tcacgaaaga	gcatgtggga	aggcttgata	tatctgcaga	gacagacaaa	360
	ggtatcccca	agttggagag	gacacctcta	atgattccac	acgggaaata	gaggtacatg	420
	ctcacgcgtt	gtgcagcttt	gctttccctt	ggagtagaag	gatcttcggt	ttcattctca	480
	gatgaagggt	caattgagac	acgagacaac	caccggaact	tgttgtcttg	taatacaaaa	540
	gtaccccggt	gatttgtctt	taaattatca	atctgcttct	tgaagacctc	agaccagaag	600
40	tctttgcaga	taaacttgat	tgctcttaga	tggtcactga	accttggtct	ttccatagt	660
	tacctctcgg	agagctgggt	gccgacctga	taaccaatgg	cctcgatcct	ccgagcgggc	720
	agttccggct	tgtagcata	gaatcggcca	ctgtacatcg	ccaccatctc	cattaacata	780
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45 <210> 869

<211> 783

<212> DNA

<213> Arabidopsis thaliana

50 <220>

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<223> n = A,T,C or G

55 <400> 869

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	taacatggat	ggtgctggct	ctggagggttc	aagtactcct	ctcactgccg	tatatgggttc	180
	aacaaaatgt	ggacttaggc	agtttcatgg	gtctatagt	aaagaaagcc	aaaaaacaaa	240
	cgttggcctt	cacactgcat	cccctggcat	ggttctgaca	gaacttcttc	tcagtgggttc	300
10	gagcattaaa	aacaagcaga	tgtttaacat	aatctgtgag	cttcctgaga	cagtagctag	360
	aacttttggt	ccacgaatgc	gagttgtgaa	aggttcggga	aaagccgtca	attacctaac	420
	tcctcctcgg	atattgttag	ctattgtcac	ttcctggcta	aggagaggcc	gatgggttga	480
	tgaccaagga	cgggcgttat	atgcagcaga	agcagataga	ctaannaact	gggcagagaa	540
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15	tgttttctct	nnntctgttg	tttgcgcttt	catcancnna	caaagcacaa	cacctagctc	660
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	tccagcaacc	atcacttcat	caccatctcc	cgatttcaca	ccgtttctca	aaacgcataa	180
	ccttgatctc	ccgattgatg	atccggagag	ttacaatttc	tcgccggata	tgttgaacga	240
35	cgtcgttgta	gctgggtttg	ttctgttttt	cccgaattac	tctagctttt	tgtccaagcc	300
	tggtttttac	attgaggata	tatttgtgag	agagccttat	aggaggaaag	ggtttggtag	360
	catgttggtg	actgctgtgg	ccaaacaagc	ggtgaagatg	ggttatggaa	gagtggaaatg	420
	ggttgttctt	gattggaatg	ttaatgctat	caagttttat	gagcagatgg	gtgctcagat	480
	tctgcaggag	tggagagttt	gtagacttac	tggtgatgct	cttgaagctt	ttgatcaggt	540
40	caacatctag	agattgatgc	tgtgttgctg	agagttatcg	aatcagatca	cttcctcttg	600
	cttttaaagt	ttgtgtttnn	tttccttctt	cttgttggtt	ctttatgcaa	gtgttggtcat	660
	tgatgatgat	gatgatgatg	aattctctat	gcttacttgt	tggatactga	atgagaaaaa	720
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	ttaaccctac	tcagattgat	cctaaagtgt	ttctcgatcg	gaatcttgat	agagcgaatt	180
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5 aaatggcgga ggttacggtt aacgcgacgc cgtttccgca ccgaagcaag ctttttaaga 360
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 10 aaacagcggc tgatccagat aatttcttca ggaatgaaca gagtatacct accgtgctta 660
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 25 ggaaagcacg ggattgggag gattgacatg gttgagaacc gtctgggttg gatgaaatca 300
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 45 gaagagattg gaacactttc ggacagtatc tacgcaatca ccgtccacca ctttctctct 240
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 15 cgagctgagc ctggacttca ttggacacag cagaatgttc tttgtattcc atcgtgaatt 300
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 45 a 781

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 50 <213> Arabidopsis thaliana

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5 <213> Arabidopsis thaliana

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<211> 776

<212> DNA

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	ctgtacatga	agatgtctct	gttatcacca	agacgtttct	tgcagaggaa	gcaagagtcc	540
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<211> 775

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<223> n = A,T,C or G

<400> 891

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<213> Arabidopsis thaliana

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	ctccatacat	atggttctgc	tggtgaagaa	actgatgatg	ttggtgatac	tgcacccac	420
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	caccaccagt	ctgtggcctc	cctagtccag	tctctctccc	ttcgatctcc	ctaaacctct	540
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40	gcaaatecgc	tccgttgatc	gtcttcctct	tctcctctcg	acacttatca	gatgcttctc	660
	cggtgacgaa	gctgatgaac	tcggagacac	actcctgcac	cgtctctttg	gcaccttttag	720
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<210> 897

45 <211> 774

<212> DNA

<213> Arabidopsis thaliana

<220>

50 <221> misc_feature

<222> (1)...(774)

<223> n = A,T,C or G

<400> 897

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5	caacagaaga	gcttgaagca	acgaaataca	cacaagagct	tcaagacccc	aataaaaacaa	180
	actcactgca	ttacttccga	ctcacacgat	caggtcaaaa	aacaagcaag	attcgtttaa	240
	gaataatcag	atcacaaagt	ctcgagacca	gtataaaaca	atztatgtgc	tttgtgtttt	300
	gctgccagat	gactgactat	agctcagtg	cacaaagacg	gatcattatt	tcagagacca	360
	ttctccgtgc	gaatggaata	taactgaggc	tgtaccatat	cagtgcacaa	atctcacata	420
10	agatcgcaag	gaccgttaag	attttgctat	ggatcaggag	agcgcaaatg	agtgaacaa	480
	cgacacatcc	gatataaatg	gatgtagcta	agaaacgaac	aggggtcaaac	atcatactca	540
	tctgttgctc	aggtcccatg	aggaaaagctt	ccaatagcta	gaacatttcc	aaatgtgaag	600
	agcagtgcaa	atttgatggg	gatcccaa	acaatcatag	acaggaacat	aagtagcaga	660
	ccagtggtca	aagacgcggc	gaatccgtac	attctctggg	tggtggagag	agcnnagaga	720
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<210> 898

<211> 774

<212> DNA

20 <213> Arabidopsis thaliana

<400> 898

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25	aagggagaga	agatcaaaga	gagaagcaaa	caaaaaacgt	cctaaatctt	gattccaaaa	180
	atcaccatga	tccatgatcg	ttttgctttt	caatgttcgt	acaaataaac	aattcaaaag	240
	agtttggtta	ttgttaacta	tggtgcatt	tttggtttag	tagatgatct	tgatcacatc	300
	gtcagatggt	gtcccattat	tgtttattcc	tcattaaaat	gtacttattt	aaagacttgt	360
	tgtgtgttaa	aaaaaaaaaac	aaaggatcca	aactttgaga	atctaaaaaa	catttttcat	420
30	caacatcatt	ttgactctgc	ttttcacttc	ttgtgctgag	ccttgagttc	ttttaccttc	480
	tcttccgttg	ccttcaatgc	tttcccatag	atagaaatca	actcatcaat	ctcttcaggt	540
	gagataatga	gcggtggaga	catcaaaatg	ccatcacctg	caacacggac	taacatcccg	600
	tgcttctggc	actcggctcc	aaagaatgcg	ccaacacccc	attctggtgg	aaatggttcg	660
	ttcggagatt	tattgtctac	aaactcagtc	ccaagaatca	aacctgttcc	tcttgtctct	720
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<210> 899

<211> 774

<212> DNA

40 <213> Arabidopsis thaliana

<400> 899

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45	attggaattg	aaggaaagat	gagcaatggt	ggttgagca	ttgatgagaa	agaaggggtg	180
	atagacaaag	atgaagtcac	gatccgtcga	atgaagaaca	gagaaagaca	acgtagggtat	240
	cgagccagga	aacggatgcg	ggaagaagaa	gcgggtaacg	atgataatct	ttcgtttgag	300
	acaatgggaa	aacaagaaga	agaagaagaa	gaagacgagg	gactagagtt	taatggacct	360
	agtgggttat	ttgagaactt	tgtgcggcgg	gtttattgct	atagaaattg	gaaaaagaa	420
50	gctagaagag	ctcatttgat	tatgaacaag	gctcaagata	gttcttgtga	gtcgggttaa	480
	cggaagataa	ggccgcacgc	tcgagattgg	aaagtgaag	ctagaaagaa	gaaaacttga	540
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	caaacaaaagc	agatttcaga	ttcaataatc	tcttcaagat	ttctattttt	gtagatattg	660
	gaaatgatca	agacaaaagc	aagtgatttg	ctttttcttg	tctgtgactc	tgtctgtgta	720
55	ttcgaagatc	catgtagtat	tataactaagg	tttatgtgaa	aaaaaaaaaa	aaaa	774

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 <212> DNA
 <213> Arabidopsis thaliana

10 <400> 900
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 cacgatcgta taacaagaca cgtgttgcaa gagaagcgat gaaacgttcc tgtcatcctg 180
 tgccgtcaaa gactccgatc cgctgaacac aatcaacgctc gaaaaagggc aaacatcgat 240
 15 ttttgttttt ttctcaccgg aaactgctaa acagagaagg gaggatacac aaacagagaa 300
 ttcaattcca aaatcatcaa tcaagagatt tggcaaaaac aggtaatgag gaaagaaaaa 360
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 gcaatcccaa tatgctggaa acaaaaacttc ctttcatact tgaggtaatt ctgcaaatca 480
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 20 ctccaattga aatcttttaga aattattgaa agaaaaactg aaaaagaaac taaagcaatc 600
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 aagccggatt tgccagaaga ggaccggcca tctttgctaa caaagccaaa attaattctc 720
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25 <210> 901
 <211> 774
 <212> DNA
 <213> Arabidopsis thaliana

30 <400> 901
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 cttcacttga tcctaattga aaaggcaata agattgggtc tacgaatctt gctggactca 180
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 35 ttaatgggaa aaagggttgggt ttgcctgggt ctgtagatat tgtaaggact gataccgaga 300
 cctcatcaca ccctgcgcgcg agaactttca tcaaccagtt acctgactgg agcatgcttc 360
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 aacctaggcg ttctgacatg ctggtggatc cttttggtat agggagaatt gttcaggatg 480
 gccttggtgtt ccgtcagaat ttttctatta ggtcatatga aatagggtgct gatcgctctg 540
 40 catctataga aaccgtcatg aatcatctgc aggaaacggc gcttaatcat gttaagactg 600
 ctggattgct tggagatggg tttggctcta cacctgagat gttaagaag aacttgatat 660
 gggttgtcac tcgtatgcag gttgtggttg ataaatatcc tacttgggga gatgttggtg 720
 aagtagacac ctgggtcagt cagtctggaa agaattggtat gcgtcgtgat tggc 774

45 <210> 902
 <211> 774
 <212> DNA
 <213> Arabidopsis thaliana

50 <400> 902
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 agagctcaga agactaataa actgtctttt aaatagaaaa gaaatacaaaa aatgaaagaa 180
 caaaacaaga cttaatagat agatattatt atacctctat ttacttcatc acaccttttt 240
 55 tatttcgaca aaattaaaag agaaactctc tatggaagag aggtcatga gataccaatg 300
 catagagctt gaggtgtgac ttgtaccatc ccccaacagc aaaatccaac acagctttat 360

5	ttacaaacta	aggaaccatc	gatcacttca	aaagtctcct	tccagcatga	aattgatctc	420
	atctaagctc	catagctcca	ctgggttttc	ctcttctctga	gtcacagcac	cagcatctgc	480
	gccaaagcatg	gcttccactt	ctagtggggt	gtcccacaag	gcgttggtcaa	ggtagtccat	540
	cagatcgtct	gactcatcag	agtttggttt	gagcttcttg	gctgcattgg	tttcttcaac	600
	aaatgatgct	tcgttggtat	tgacaagcat	tgaagagatc	tcgggtgttt	tagggccgtg	660
10	atcactccac	ccgaactcag	aacagtcgaa	ggagttactg	ccctgatcgg	aactgaaata	720
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<211> 773

15 <212> DNA

<213> Arabidopsis thaliana

<220>

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20 <222> (1)...(773)

<223> n = A,T,C or G

<400> 903

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	taatacaata	ctgacgcagt	ctggaaaaat	taaaagcagc	taaacttttt	tccggagatt	180
	tcgtgacttc	ttcttcatct	tggtgtgtct	ctagtaacga	ccaatacccc	agaccctgac	240
	aactccatca	gtgtaaccac	tgaacaatgt	gcttccatct	gcactccagt	tcaagcttgt	300
	gcagtagata	accttcttct	ggttaccagt	tccaacacca	ccttcattct	tctctgcctc	360
30	agacttgaga	tcaaccttca	agtcctcaac	aacagacttg	ctctcaagat	cccaaactct	420
	aatgctattc	tcagtagcag	cacacaacca	gtatctgtta	ggactgaagc	aaagcgagtg	480
	aataatcgaa	cccgcctcaa	gcgagtaaag	cttctttcct	tcagccaaat	cccacaacaa	540
	gataacacca	tctttcccac	caactggcgca	tagcgaacca	tcaggcgaga	cagcaacagt	600
	gttgaggtaa	ccagagtgac	caacaagaga	gttcctcagc	ttacagttct	ggagattcca	660
35	aactttcaca	gttttatccc	aagaagcaga	tacaatagtt	ggtacaagag	tattaggact	720
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<210> 904

<211> 773

40 <212> DNA

<213> Arabidopsis thaliana

<400> 904

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	tttccttaga	cgagtgtccc	acctttgacg	aactcagtga	acgccaacgc	gaccaaaccg	180
	agcatcgca	aacgtccgtt	ccaaagctca	gcgtctgacg	tcatgatacc	tttggacttg	240
	gactcaacgc	ttatgccctt	gaaaagcggc	acaagcgacg	caagtgtcaa	gatcgctgtt	300
	gtaccgagga	accatgagac	gccaccgtcg	gagatctgag	ctaaaacggt	ttcacccttg	360
50	gatagctcga	cagccaacgc	cgcaacgaat	ccaaccatcg	ctaaacgtcc	gttaatcctc	420
	tctggtgctg	gaccgcta	cgtagcaag	tcgctaaact	ttgtgctcac	cttaggtttc	480
	ataggaggag	gaggagatgg	tgacttcggc	aacggctgag	cggccgaggt	agatggtgct	540
	ggtgaagagt	cttcattcgt	gggtcctccc	tcagccatgc	atctcactcc	caccggataa	600
	ttcctcttga	ggttagggaa	gctaccggcg	gagaaaagct	tggttggtgtt	gatcttgcca	660
55	gtgggttaatc	caccggcgaa	gactgattgc	atgttgaacg	atgctgttgc	catttctaaa	720
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 <212> DNA
 <213> Arabidopsis thaliana

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<400> 905
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 ttaaagaggt ggtcgtgggt agcagccttg atagcatatt catggtgatg gaatacatgg 180
 15 aacatgatct taaagcattg atggagacaa tgaagcagcg ttttagtcaa agtgaagtta 240
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 atcgagattt gaaaacatct aacctgcttt taaacaatcg ggggtgagttg aagatatgtg 360
 acttttggtt ggctcggcaa tatggcagcc cgctcaagcc ttatactcat ctgggtgtta 420
 cgctttggta cagggcacct gaacttctct tgggagcaaa acaatattct acagccattg 480
 20 acatgtgggtc actgggctgt atcatggcag aactattaat gaaggcgcca ttgttcaatg 540
 ggaaaacgga gtttgatcaa cttgacaaga ttttcagaat ccttgggtact cccaatgaat 600
 ctatttggcc tgggttctct aaactacctg gagtcaaggt caactttgtc aagcatcagt 660
 ataacctatt acgtaagaaa ttcccagcca cttcgttcac tgggtgcacca gttctgtccg 720
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<210> 906
 <211> 773
 <212> DNA
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30

<400> 906
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 35 ctcgaggaat tccctaatag agttggagtt tctgcccgtg gcattagctt tccaagcaga 240
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 aacgataaga gtagaagac cgaagggctc gacaccacca ctttgggtat acttctgttg 360
 aaggccagca atgtagcag tgatgtactc aacagtgcga gggtcctcaa gtgtaagcct 420
 gtggctttga cactcgatcc ttgctttgtt aatcaagact cgggcatcag ccttgagccc 480
 40 cgcgcagccc aaggcaatgt gattgtcaag gctcacaatt tttctggctg atctagaatc 540
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 accgtcgggg gagaagacag taattgctcg atcgtatcta gccatctctc tctccgcttt 720
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<210> 907
 <211> 773
 <212> DNA
 <213> Arabidopsis thaliana

50

<400> 907
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	ttagcaaaag	tttcttctgc	atcatctgtg	aactccatat	atatggggca	tacaccttga	420
	tacaaagcta	atctttgttg	tatttttttc	tcatttgtga	aggcatagat	tgtgccggaa	480
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10	ttgaaggctt	gaccaagatt	aggtggcatt	tcaccgctag	taatgggtgc	ttctgttcgc	660
	aatgcaacag	tgtgcatcac	tccagcagct	ttcaatggga	actttccgtg	agcagtttct	720
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<210> 908

15 <211> 772

<212> DNA

<213> Arabidopsis thaliana

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20 <221> misc_feature

<222> (1)...(772)

<223> n = A,T,C or G

<400> 908

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	gggtgggttg	attgggttgc	agtagctgca	gttgacataa	cacgtaaccg	accagctatc	180
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	actataccaa	aagagaagac	atcgaccttc	tctgaaactt	tgctgctgct	accattgaga	420
	agctctgggt	ccatccatgg	taagggttccg	cgtacaccac	cagataccaa	tgtatttctt	480
	ttgattttcg	acaaaccgaa	atcaccaacc	ttgcagattg	ggcgagaagg	atctttgagg	540
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35	tccattccaa	aggcagcatc	catggcaatg	attagtctct	tacgacgata	caggtgtcta	660
	tctttcctga	ctagaacatg	tctcagagaa	ccatcaacca	tgtactctgt	tacagtagcc	720
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<210> 909

40 <211> 772

<212> DNA

<213> Arabidopsis thaliana

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45 <221> misc_feature

<222> (1)...(772)

<223> n = A,T,C or G

<400> 909

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	tgactatctc	tgcatggctg	ttttgggtcca	agaagtcata	aatgcggtat	acgcattcgt	180
	cattcatcaca	actaatccat	cttctggaga	ttcatcagag	atttatgccg	agggtggtcaa	240
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55	gaaaaaacaac	cttgattcgc	ctctgggtgtt	gggctaccca	agcaaaccga	ttgggctgtt	360
	cataagacgt	tcaatcatct	tcagatctga	ttccaatgga	gaagatcttg	aagggttatgc	420

5	aggtgcaggc	ctctacgaca	gtgtaccaat	ggacgaggaa	gaccaagtcg	tgctcgatta	480
	cacaacagat	cctctgatca	ctgacttgag	cttcagaaaa	aagggtctct	cagacattgc	540
	acgcgctgga	gatgccattg	agaaactcta	tggaactgca	caggacattg	aagggtgat	600
	cagagacggg	aagctctatg	tcgtccagac	acgaccacaa	gtgtgatcaa	attctctgac	660
	cacttcttaa	tgtgtacgtt	acgttttctg	tccagtaaan	nncttatttg	ctctataagc	720
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<210> 910

<211> 772

<212> DNA

15 <213> Arabidopsis thaliana

<400> 910

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	cgtcgatgat	tcaagaccgt	gtaaagatct	ttctttcagt	actaatttgg	atctctctct	300
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	tcttgtcaga	ctacagtttt	atactagaaa	ctagattggt	ctcttcttac	gatatctcta	540
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	tgtttgggtg	gtgcttgatt	cagccaaacg	gtaaaccgca	ccgtttcttt	gatttgaatg	720
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<210> 911

<211> 772

<212> DNA

35 <213> Arabidopsis thaliana

<400> 911

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40	gcctgaacaa	catgttaggc	aaagaatctg	ggtcagtagc	taaataaaac	tatgttttct	180
	ttagatattt	tgtaacatat	ctagtgtttt	actgattgat	atgaatttat	tggggacaac	240
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	atgttttggg	tgagagactt	tcatcaccaa	tgaatcaacc	aaaggaagag	aagactatgt	360
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45	tgatgggagt	ttttatgagc	taatatggat	ctctgtaggt	attaaataga	tgggtttcaa	480
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	gaagtcttgt	gtttgtgttt	ataatgtttc	tgcaagaact	tcttaagata	tgattaagag	660
	ggaagatgat	aaacttagag	tgcaagcaaa	acctgtataa	ttgtgtttcc	ctctgtttat	720
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<211> 772

<212> DNA

55 <213> Arabidopsis thaliana

5 <400> 912
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10 atgatagaga tgcagaaga ggaagtcagc ttttactgga agactcgaaa agggatcctg 300
aagagcggat tattcctcgc agtgtagatg ctgatgattc tgatgttgat atcaaaagtg 360
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aggcacgtgg tgaaatgaaa gtcctaagc gcttcacaa tgatacaatc aggaatgact 660
tccacagaaa attcctgcat agatacatga agtgattgtt tgtcaagagt gttattgcta 720
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20 <210> 913
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<212> DNA
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25 <400> 913
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tagtcctgac aagttcggtt atcaagtctc aactcttttt caggctctgt gatctacgag 240
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35 gatattgacg ggttcagggt tgggtcaggg cttgggtctc tcagagggtt gctctggctt 600
ttgttgcaac aactctatta aagagtthtt tttgggtttt tttttttgcc agagccctcg 660
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40 <210> 914
<211> 771
<212> DNA
<213> Arabidopsis thaliana

45 <220>
<221> misc_feature
<222> (1) ... (771)
<223> n = A,T,C or G

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tctctcacgc gctaaccacc gtatcaaagc cgggctagcc acgcgccgtg cttggagagt 180
gatgttcgat ttccactcca tgggactgcc tcacggtgtc tccgatgcgt tcacaagaat 240
55 caagaccaat cttgcttact tccgtatgaa ctacgcaatc gttgtcttga tcgttatctt 300
cttcagcttg atctggcatc cgacatcgct catcgtcttc accgtcttgg tcgttggttg 360

5 gatctttctg tattttctcc gtgatgagcc tatcaagctg ttccggtttc agatcgatga 420
 tcggacgggc ttgattgttt tatcgggtgtt aaccgctcgtt ttactcctgt tgaccaacgc 480
 gacgtttaat attgttggag cgcttgtgac cggagctgtg ttgggtttga tccattcggg 540
 ggtaggaag acggaggatc ttttcttgga tgaagaagcn nngacgactg agacttctgg 600
 gctgacgtca taccgcgcga cttaaactgt ttcactctga aatttgtgta tcttttctat 660
 10 ttttgtatat tatcttgttt ttttaattat gcgtaatcaa tttttattgg tgtgagtttg 720
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<210> 915

<211> 771

15 <212> DNA

<213> Arabidopsis thaliana

<400> 915

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 agagtaggga aagtcttatt tgacacagga agttcctata catacttccc taaccaggct 180
 tactcccaat tggtcacatc acttcaagaa gtttctgggt tagaactaac acgcgatgat 240
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 tcggatgtta agaagttctt cagaccaata actctgcaaa tagggagcaa atgggtgatc 360
 25 atatcaagaa aacttttgat tcaacccgag gattacttga tcatcagcaa caaaggaaat 420
 gtctgtcttg ggatattaga tgggaagcagt gttcatgatg gttccactat tattcttgga 480
 gatatctcga tgcgtggaca cttgatcgtg tacgacaatg tgaaacggag aatcggatgg 540
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 tgaaggagcc ataattctta catatgtgat atgtgtataa ttaacctgac acatacacgc 660
 30 ttgtataata gtactcgtga ttacatattg tgtaacataa attgtaaaag actaatcaag 720
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<210> 916

<211> 771

35 <212> DNA

<213> Arabidopsis thaliana

<400> 916

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 cttattacta tacaattact tcaaagacca tcacgaattc cgatctttac ccaaattaca 180
 cacttgatta aggataaagc taatttgtgc caaatccata aattttaaata ttaccccggt 240
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 caccatcata cacaacttct agcgtttgct gctgaacgtt tccaaagatg gcagcggtac 360
 45 tgtcatcgct attccctgca aacgccagac aaacctgaga tatcttaaac acgtaaaata 420
 tccctttcga accaagctcc acgacggcgc caccgctgaa agagaacgcc actttcggga 480
 tagtcaccgt cttaaaccgc ctgagatcga aacacgtgtc caagatcgag acgcccgcgc 540
 tggtcggata ctttgacatc ttgccttgga acgagcttct taacgccgcgc taggctttcg 600
 gcgggagacg agtgataacg gtgccggaat cgattaaagc tcccggagta gagaatacag 660
 50 ttgaaggaat cggcaatttc tgaccgccga cgggtattgc gacgatatta aggccgtaga 720
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<210> 917

<211> 771

55 <212> DNA

<213> Arabidopsis thaliana

5

<400> 917

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gagcctgaca	aaaaaccgca	agctggaccg	acacagagag	actaatatac	accataatac	180
10	aaatattaac	atacgaaatt	taacactaat	ccatatttaa	ttaattactc	240
catgcaattt	cacaaaaact	ccattgcaag	cggtctgaatt	tcctattttg	cccctaagct	300
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15	gccttcactt	tctccgatag	atctggcgac	gaaaccttct	tctcacgttt	540
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ttatgacgta	ggttagggaa	gttaagccgg	gcgaaatcgc	cgcgagctt	gtacgcgcgc	720
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20

<210> 918

<211> 771

<212> DNA

<213> Arabidopsis thaliana

25

<400> 918

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gaatgtttta	gaaaagaaat	taagcttcgg	tgaagcttgg	gggcttgtag	gcaatgaaac	180
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cggaggagag	catagaggaa	gccattacta	cttcttgttg	tttctcttct	tctttaccaa	720
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40

<210> 919

<211> 770

<212> DNA

<213> Arabidopsis thaliana

45

<220>

<221> misc_feature

<222> (1)...(770)

<223> n = A,T,C or G

50

<400> 919

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ggttgtgata	ggattcatca	taggtatgat	attggattta	tcacagcaag	tgacctcccc	180
55	agtgaaaagg	agcagacttt	tatccagcaa	ggtccagaag	cagagtctctg	240
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5	gggcaaaatt	gcgtcacagt	gtgcacatgc	tgccaccggc	atgtatgcag	agttgatgca	360
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	ttgcaaaaac	cagcnagaaa	tgaataagat	cacagaggct	gctgagagcg	ttggcctccc	480
	gacttttgtt	gtagctgatg	ctggaagaac	tgagnnnnnn	gctggatcaa	gaacagttct	540
	tgcagttgga	cctggaccaaa	aggagttggg	tgattccata	actggtaggc	tggtctnnct	600
10	ctgattcagg	agctttttct	tnnngtagtt	cctctgggat	tttgatttct	ccaggattaa	660
	ggttaattca	ggcaaggcaa	tgttgttggt	taatgattat	tcaaggtaga	tgtagattt	720
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<210> 920

15 <211> 769

<212> DNA

<213> Arabidopsis thaliana

<220>

20 <221> misc_feature

<222> (1)...(769)

<223> n = A,T,C or G

<400> 920

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	ctcgttcact	ttctctatcc	aaaggccntt	tcgccgccgc	gtcatcctct	ctcctccctt	120
	cgtcgcacct	tgtttcattc	cgatctcaat	cttcgccatcg	tcggggagat	ctgtacgaga	180
	ttgataacct	cgcagcttct	caatcgccgt	cggatccttt	aatacagaag	ctagaagacg	240
	ccgttcaccg	gatttntgtg	cgccgagctc	agcctgattg	gctccctttt	gttcctgggtg	300
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	gatggccttc	ctccgattat	ttccttaaag	gtgttcaacc	tcaattgatg	gagaccaaga	480
	ccgagacaac	ttcaaattcc	gaatctcact	ctgaggacga	ggaagtgtaa	aaatgacact	540
	gcttggttgg	gctcttcagg	atctcttgtc	aagaccaaga	gctgccgaat	tcggacaacc	600
35	aagagcaagt	gaaaagacgt	gaaatagaac	gaccatattt	ctataacctga	tacccaaatg	660
	tggaatatcg	aataagacta	gtgttgtagg	cttggttagc	atgtcccgtc	gtttctcttt	720
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<210> 921

40 <211> 768

<212> DNA

<213> Arabidopsis thaliana

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45 <221> misc_feature

<222> (1)...(768)

<223> n = A,T,C or G

<400> 921

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	tgaggttact	tcaatgcctg	atatgtatag	tagtactgat	gggactttga	ctatgggttg	180
	atcatctggc	tctgttacta	ttgataacag	tactgctctt	gagaatgtgt	ataggctcaa	240
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55	tgatcagcct	tatatatttg	gtgcaggact	tggtattcca	gagactgctg	atcccaacat	360
	gacgattaag	tatcctacgg	ggactcctac	ttatgttgct	cctgtnnatg	tttattcaac	420

5	cgcgaggnc	atgggtccaa	cagctcagat	caatctcaac	tacaatctta	cttggatttt	480
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	tatcactaag	atcaaccaac	gggtgtttac	aatctacctc	aacaatcaaa	ctgctgagcc	600
	tgaagctgat	gtgattgctt	ggactagttc	aaacgggggt	cggtttcaca	aggattacgt	660
	ggtgaatcct	ccagagggaa	atggacagca	agatttgtgg	cttgctcttc	atcctaacc	720
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<210> 922

<211> 768

<212> DNA

15 <213> Arabidopsis thaliana

<220>

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<222> (1)...(768)

20 <223> n = A,T,C or G

<400> 922

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25	actaccatag	gggggctnnn	gacttttagc	aatttgtaga	agacaaaaaa	cgggagagag	180
	agagagaaga	atctgaaaaa	caaaaataca	acaaaagttt	gggggggcaat	aacaaatagt	240
	aatacatgtt	tttggttaaag	aagagcattg	atagagagaa	agatttactt	cttctaagggt	300
	ttataaaaaga	gtgttttttg	agtccatgta	atcaaatcca	gtcttcttgg	aagaagctta	360
	tttctactac	tcacgaagg	tgctcaagaa	cccaccaatg	aaaccagctc	cattgcagtc	420
30	cccacacaac	acctcctttt	tacctctgca	aagccaacag	agtgcaccag	ctttaaactg	480
	accattgaaa	tgatcaatca	aattcacacc	acctcctttg	cattgagaac	atgccacaca	540
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	gtttgcggcc	ttaacttcaa	aactttggga	tcttgaagtc	tgaagcagtt	ctctcttctg	660
	taccaaggaa	gaggtgttat	cattagtgtg	gaagaagtga	gaagggttag	ggtttttgct	720
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<211> 768

<212> DNA

40 <213> Arabidopsis thaliana

<400> 923

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	ttctacttgg	tattattgta	tgtctttgat	gtgttatgtg	tgccttgtga	tggttttcaa	660
	ttagttttac	atgtacaata	cttgaaatca	gattgttgct	aggcttcaag	ccttgtctca	720
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10 <220>
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 25 tnnncaaagg accagttgtg ttacgggtta ttgcatgtga tgaatttatg tgagttgttg 600
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30 <210> 925
 <211> 768
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 <213> Arabidopsis thaliana

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50 <210> 926
 <211> 768
 <212> DNA
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55 <400> 926

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	ggctacctcg	atcccgaata	catttcaaca	agaacattca	ccaagaaaag	cgatgtctat	300
10	ggcttcggag	ttttgctttt	cgagcttata	gcaggaagaa	atcctcaaca	aggtctaattg	360
	gaattgggtg	agctggcggc	tatgaatgca	gaggaaaaag	tcggatggga	agagatagta	420
	gattcaagat	tagatgggag	atatgattta	caagaagtga	atgaagtagc	agcttttgct	480
	tacaaatgca	tctctcgtgc	acctagaaaa	cgctcctaaca	tgagggacat	tgttcagggt	540
	ttgactcgtg	ttattaaagt	gagacattgc	agaaagcggc	agaagaattc	tccgtcgccg	600
15	tctccacggc	ttcctcctcc	tcctccgata	gtggaggagt	cagaagggtga	gttaactgca	660
	aacggatcat	tacgatcaga	aattcatcgg	agggataatt	ccttgacag	tagtatagct	720
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<210> 942

20 <211> 764

<212> DNA

<213> Arabidopsis thaliana

<400> 942

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	tttcaacaac	aacaaaaaaa	agtagtctaa	ccaagtgcc	accacaaatt	gtctgtgttt	180
	gaggtgggca	cagaagctaa	agcctcttct	gctctgcttt	tttgccctcag	gcaaagttta	240
	caccttcttt	aagctaactt	agaacccgaa	gaagccgagt	tcactggctt	tttccctctc	300
30	aaaggtctcg	aaatactggg	atatgatcgt	gaccgccaac	agaattccgg	ttcccgaacc	360
	gatggctccc	atgaaatcag	ccaaaacggg	aagtgcaccg	atacaaaactc	ctccaaaagc	420
	tgctgctggt	gggatgtatc	tgttcagttc	cttctgtaag	tttgattctc	tgtgtcctgg	480
	catcaccatt	tggtgttctt	ttagctgctt	agctacatcc	ctagcagaag	atccagagac	540
	ttcaatccat	gtctttgaga	aaagagcaca	agcagtgagc	atgaagacga	tgtagaacag	600
35	tgcatggaac	gggtgagctg	ccatgtcaga	gaaacttgct	ggagctgtga	tgaggtaagc	660
	cagaccacta	actggaatag	attgtccact	gtactcagat	tctttccatt	gtcccaaaag	720
	gtttacaaag	aaatttccgc	tgaacttccg	gtagagaagc	tgag		764

<210> 943

40 <211> 764

<212> DNA

<213> Arabidopsis thaliana

<400> 943

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	ttttgataga	ccagaaattc	cgagcaaagg	tagcagattt	cgggttaaca	aaactgacag	180
	aagttggagg	ttcagcaact	cggggtgcaa	tgggtacatt	tggttacatg	gcaccagaga	240
	ctgtttatgg	agaagtgtct	gcaaaagtag	atgtatatgc	atgttgagtt	gtcctttacg	300
50	aattgatttc	tgcgaaaggt	gcggttgcta	aaatgacaga	agccgttggt	gaatttagag	360
	gccttgttgg	tgtgttcgaa	gaatcattca	aggaaaccga	caaagaagaa	gcactacgca	420
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	aattagggaa	agcatgtaca	caagagaatg	cgcagctacg	tccgagtatg	agatacattg	540
	tggttgcttt	atccactctc	ttttcgtcta	cgggaaattg	ggatggttga	aacttccaaa	600
55	acgaagattt	agtcagtctt	atgtccggcc	ggtagactcg	ttttccggtt	tgctggttgtt	660

5 atataaaaaat gattgtttttt tggtatgctc acgtatatattt tgtctgtcta tacgaacttt 720
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<210> 944

<211> 764

10 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

15 <222> (1)...(764)

<223> n = A,T,C or G

<400> 944

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	caccgacgac	agcgcaannn	ngcgannnng	cgacagtgga	gaaagcagaa	atgagcgagg	180
	aggaagcaga	cgattttctga	gagagaggaa	tggacccgaa	ggcgttttgg	taagagggag	240
	cgtcggcggc	agaagacgga	gacaaggcct	ctgcttcggc	ggagtaggtg	ccgacggaga	300
	ctaggagctt	ctggactttg	gtacagtggc	cgggggttgc	acttgtgaag	tataggggtc	360
25	cgttttgggt	gaggttgaag	agagagttgc	cgtcgttcat	gtacaagatt	gggtctttgg	420
	tggttcagct	cttgaaattg	gagggcgtca	cttgaatcag	tgagtcttcg	cttggtgggt	480
	acaagaacaa	gagggagtc	ccgatcttga	aagagtgaga	tttgggccat	ttggaataga	540
	cttttagcatc	aattgggatg	ccccaagcgt	ccaagtcgcc	aactttgtat	agagtcgacg	600
	acactttacc	aattctcttg	cccaacaata	tcacacactg	taataccaca	ccaccatcat	660
30	cgataccttc	tcctcatctt	aaaatcatta	tcatgtgaga	ttctatttgt	aacttatgta	720
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<210> 945

<211> 763

35 <212> DNA

<213> Arabidopsis thaliana

<400> 945

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	taagattgct	aagtaatatg	cgaattgaga	gaggaaatat	gatcaatgtg	ggaaaggata	180
	gtccaaaacg	ttgtccatga	cttcaaactg	catatccttc	gatggccggt	tcctctgggt	240
	tatgaaccaa	ttgtttttatc	tgtttctctt	ggtgtctcca	ggcattctaa	tatcagatgt	300
	ctagagtcaa	tctctgagca	gaagagtaat	agtgagactc	gagctcttta	agattggcag	360
45	atgcatcatc	agcaattcta	gccacaacac	gatttgtctt	ctcggcctct	tgatcaaaact	420
	cttctattct	ttgttctaca	tgatcggtta	gtgatgcaaa	tcctgaaaat	atcgctgttt	480
	gcttaagtcc	tgatacgagt	ttcaaaagag	aatcagctgc	ttgaaccatt	ctagaagctc	540
	gcattctccat	catgtatgtc	tcctgagagt	tcttcaccgg	cggatcactc	acccttgaaa	600
	cattgacgat	ctgcgtgaag	ttatcgacga	cagatgtgat	gtcagctctc	actctctgta	660
50	acaacgcctt	ttgcttctgt	aaagccgcgg	cggcggcggc	ggcgtttgga	ccgcttcctc	720
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<210> 946

<211> 763

55 <212> DNA

<213> Arabidopsis thaliana

5
 <220>
 <221> misc_feature
 <222> (1)...(763)
 <223> n = A,T,C or G

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 gaagatggaa agcaacactc aactattaca aacccatggt aaaagaccaa gcgaatcaat 180
 15 tggagtttcc tcgtgatttt ctagggtattt cacttgccga tcagccgaat aagtactatt 240
 tcattatcag gacgcagagg attgtcttgg aagctgattc ttcgattcag ttgattatgg 300
 agaagcttca gtcttataaa tctaaagtgg ctctttactt tgatggggtt cagtatcagc 360
 ttgggtgattt taggttgaga gttggtaaag ttgttcctac tcattctgag aatgttagag 420
 gcattgtcat ggagggtggag tatcttccta tatcatcaat ggaaaaggca caaaagggtga 480
 20 tggaggagtt cttggagata tggaaatgaag ctctggctaa aagggtcggtg ccgggtaagt 540
 ttgtgaacat agatctcaac tttggggagt ttggacttgg agacatctac actccacaac 600
 acacagctgt tcgttacgct ctctgtgatg ctcacatgat tgctaccgtt caagctgtga 660
 gaggctaaac cannnnctnnn ctngtannn ctaggtaaaa ttatgtgctt tgcaatatta 720
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25
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 <212> DNA
 <213> Arabidopsis thaliana

30
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 <222> (1)...(763)
 <223> n = A,T,C or G

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 ttgatcaatc atacaagaga tttcatccca aaaaaaaaaa aaagaagaag caaatagtaa 180
 40 atctctgtac tccagacaaa tcccaatgca aataaaagac ttccaactat gatgtatttt 240
 atgtgagacc aaaataacaa agagctctaa aatagtacaa acgggcatgc gggtaatcag 300
 gaagatatag ataatttaag caaaaaacaa actgggactg tgactacttt gctcaggatt 360
 gcacggccag tttctgaaga tgttcaataa agacttgacg gctcacatcg tcagtgaaga 420
 ttatgtctga cccagctgac atctcgtttg cattgttgta agtcgctgat ggattcagct 480
 45 tagccaataa aaaccttgcc tgtgatccat gttgatcaca cacaactaat ctccgggactg 540
 ggaaacgctc ccggactaac atctgggaat cctcttgccg agcttgcaat aactgagcaa 600
 aggcennntg ttcaggctga tgatgataac ccattgttcg ccattgcatg atagtcattc 660
 catggaagac aacaacacta aaatatgcat ctaatnnnag aatcttnnna gctgcaatgg 720
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50
 <210> 948
 <211> 763
 <212> DNA
 <213> Arabidopsis thaliana

55
 <400> 948

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	atgtcacgaa	agacgttgca	gaggagaaaa	ttcaaaaccc	acctccggag	caaatttccg	180
	atgactccaa	agcccttact	gttggtgaga	aacctgtaga	agagcctgca	ccggcgaaac	240
	ctgcgtctgc	atcgctcgat	agagatgtta	agctagctga	tttgtcaaag	gaaaagagat	300
10	tgtctttcgt	cagagcgtgg	gaagaaagcg	aaaagagcaa	agcagagaac	aaagctgaga	360
	agaagattgc	agatgttcat	gcttgggaaa	acagcaagaa	agcagctgtc	gaagcgcaac	420
	tcaagaaaat	cgaggagcaa	ctagagaaga	agaaagcaga	gtatgcagag	aggatgaaga	480
	ataaggttgc	agcgattcac	aaggaagcag	aagagagaag	agcaatgatt	gaagctaagc	540
	gtggagaaga	cgttctttaa	gcagaagaaa	cggctgctaa	atacagagcc	actggaattg	600
15	ttccaaaggc	aacttgtgga	tgtttcta	cttgaatttg	cgaatcaaag	tttcaagact	660
	ttgtaactgt	aaagtgtaat	caaatttctc	tgttctcttt	aatggcttgt	aatgttgttt	720
	gtatattgat	tttgtgtgtg	acaatcagag	tgaaaaatat	ggt		763

<210> 949

20 <211> 763

<212> DNA

<213> Arabidopsis thaliana

<400> 949

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	tatactgact	ttgttttctc	ttgattatct	agctggatat	cgttgaactg	cttatcaagg	180
	gatgcaaate	gctcaagaac	tacgagaaga	aggttaaaat	gatcaactca	aatccataac	240
	attgccttca	cgtgtttaca	aattaacat	ttcattctgc	tttctctgtt	ggtgttcttc	300
30	tcgaactttt	gcaacgcctc	tgcatgatca	catagcagtt	agcgtacgct	tttctgatat	360
	tatgttgtgt	cttgtgttat	tacagtgcaa	gacgttggtg	tttgaatatg	gacctctgat	420
	actcgtaaat	gcagaggaat	tcctagttaa	aaacgacgtc	tgacactctc	tgccgcgatg	480
	cccccttag	aaatcgggtc	taaggcagcc	ggagtgtggt	gattcttgaa	tgttcaaaac	540
	gttgctataa	caggatttta	attccttatg	ggttatacaa	gtaggaacac	gagctgctcc	600
35	atgagaatgg	ttgcagactt	tgtgtagtgt	ctatatgtat	ggattcaaac	acatcctcca	660
	aaatgtccct	ttgcctttgt	gtaaataatg	atcgctacaa	caattgtacc	tctactatga	720
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<210> 950

40 <211> 762

<212> DNA

<213> Arabidopsis thaliana

<220>

45 <221> misc_feature

<222> (1) ... (762)

<223> n = A,T,C or G

<400> 950

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	ttctctaaga	cttttagctt	tttgatatgc	tgtgatgctg	atcgcnntct	cggatgatctt	180
	cttggcagct	actagctaaa	gatatttttg	ttcctcgtga	gnntgtggc	gactcctcaa	240
	tcagattacn	ngagttttgt	attcttccag	caacttcgag	atgtcattaa	tccgcaactc	300
55	ggaagaactt	ttgatatgat	aaaacgtaaa	ggctctcggt	ccagggaggc	caaatcagc	360
	agatgttaag	ctgctctgtg	tagtgaaaat	tcgtgtaaca	agtcgctgat	aatctcgaag	420

5	taaggaacca	agctctttta	gttgtaaagt	tctcggagt	gactgtttcc	aatgctgacg	480
	aagtgcctga	gcggccatct	gaatcataga	ggcccgttca	tcaactacat	ctccctcaat	540
	taatcttggt	cctaattcaa	caaactcttg	atcttctgac	tcctcgggaa	tttgaaggcg	600
	caaccctgat	gaaacagata	ttcccatttt	ctggtgcaag	tcaacaatac	tgaatccatc	660
	ttgtcccctt	tccttggtcca	actctctctc	tgactcttta	atttcaggag	ggttttacaac	720
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<210> 951

<211> 762

<212> DNA

15 <213> Arabidopsis thaliana

<400> 951

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20	tttcaagacg	gctacccgac	acgtgcgaaa	acagacagtg	atagtttcca	ctttccacta	180
	actctaatac	cacgtgacaa	ctcagaaaagt	tccttgccca	accacaagt	gatcaagcgt	240
	cgctgaccac	atctgattcc	cgcccaatag	ccgtgacaca	atctcggtat	cggcgatggc	300
	atctacgtaa	ttaaaccgaa	aatcaaggcg	attactcaac	cgaccgttgc	tacacgtgaa	360
	ttccggtgac	accgcttgct	ccgagccgga	gatcaatctc	gccacagatt	ccggtggaca	420
25	cgtgtcagtc	acaggcttta	accgcctctc	gatatcgctt	cgctcgcttc	cgatgacacc	480
	tttcttggtt	tatatacgac	acaataccca	atcgtccaat	cttagactgt	ttttcttacg	540
	aaccgaccgg	tcaacgtcag	cgagccggta	ttcgtgcata	atccaattgg	ttttctctcc	600
	atgtggaggt	tttcccagat	aaaacactag	agccttctta	ataccaaccg	gtttaggacg	660
	acctattggt	ttatcagctc	cggtagcttt	ccaatatcca	gtaccagctg	cacggttggg	720
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<212> DNA

35 <213> Arabidopsis thaliana

<400> 952

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40	ctccgaggtt	tcagctgagc	attgcaatct	tgatgaagag	agagtttgat	tgggttggtg	180
	ataacattga	agtgtttgac	ccagttctct	ctgcaactga	atctagttac	ctagaatctt	240
	tgggatgcag	tgttctatct	gtgaatgagc	aagctcgtag	ggaagcttta	aagcctactc	300
	ttttcttcat	gccacactgt	gaggccaatc	tatacagcaa	cctattgcaa	gcaaattgga	360
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45	aagtttcatt	tgacgcagaa	gtcatctgtg	ctaccaaacy	aatcatagct	gcacaaagag	480
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	aatttttagat	cattgttttc	aaaagctttt	tgattttcac	ttgtgcaaca	ttttgtttat	660
	ctgtcttttt	cctccttgca	taatcttagc	cttcaaggcg	ggcaaaacaa	ttgaagttat	720
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<211> 762

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tctcatgaca tgaaaaccgg ttctgacgaa tcttggtgccc gtttcgtcaa aattaatcct 240
10 cgttggtgacg acgccgacat atcaaacgat ctaccgtgct ctcaagcaga tgaaccggac 300
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15 gttttacacc agcttcaacg agtgaattcc gacaataacc ggctcgtgac agaacaagag 600
atactccggc taagattgtc ggagatgcgt cggattctga tcattagaca acttcaacaa 660
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20 <210> 954
<211> 762
<212> DNA
<213> Arabidopsis thaliana

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30 agacaacttg aatggattcg ataacatcac caactttaag atcagctaga aaatcttcgt 300
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35 tctctagagg aaccgtcctc gttttctctg tgcttgatc gataaatcct tccgcaggac 600
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agaaatgcct ccttaccgaag tccacaaagt ttccggcggg aacaggggcg ttataaccat 720
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40 <210> 955
<211> 762
<212> DNA
<213> Arabidopsis thaliana

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55 gtgctggtag cgagttgact cgatgtgtcg agttggtcca aaaccattga attggttgta 600
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5 tgccacgtag gatctgtcgc gttggttagcc tttgtatcca taattagtaa gtagtctgta 720
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<210> 956

<211> 762

10 <212> DNA

<213> Arabidopsis thaliana

<400> 956

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	caagaaatca	ctttggacat	caccatcata	gttttgcatg	cccaaacata	gcctccctca	660
25	ctcttaagag	cgtaggccac	catatcatca	atgagacggg	gttcatacca	gattccagca	720
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<210> 957

<211> 762

30 <212> DNA

<213> Arabidopsis thaliana

<400> 957

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<211> 761

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15 <211> 761

<212> DNA

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55 <212> DNA

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<212> DNA

<213> Arabidopsis thaliana

<400> 969

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	atthttttttg	gcagcagcga	cagaatcaca	caagtctagc	tttctcaagg	tttccatggg	300
	gctgggtggag	gtgggtggagt	agggaaacaaa	ggaggaacag	ctgagaaaaat	agtgtttttg	360
	tctatctttac	cgggtggcttc	ttcttcaccc	gataatgcc	caagagctgc	gactagacca	420
15	gcattgcctg	caagagtcgg	ttcagtgtag	ttgtagttca	tacggacatc	acggatccccg	480
	tcgcgcttgt	caggaccagc	aaccatggct	ccttcaatcg	tggttggggt	tggtttcttg	540
	ctgtctctcc	atttccatcc	tcctttgcag	ttatacttga	ctttgttctt	gggtatcgaa	600
	gctcctctgt	gatgcacatg	tcttgggtat	tttgtgccaa	aaccaacgac	ataactcatt	660
	ttccgagggt	ttttaccag	tataataatca	atctgggatc	tagcaaagtc	acgtagcaca	720
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<211> 759

<212> DNA

25 <213> Arabidopsis thaliana

<220>

<221> misc_feature

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30 <223> n = A,T,C or G

<400> 971

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35	taaaccacaag	cgggtcccaa	gtcccaaacc	caagccggtc	ccaagtcctt	cagtaccaag	180
	tccttcgggtc	ccaagtccta	accctaggcc	ggtcacgcct	ccgagaaccc	ctggctcatc	240
	tggaactgt	cctatcgatg	ctctcagact	cgggtgatgt	gcgaacgttt	taagcagtct	300
	actcaacatt	caattgggtc	agccatcagc	tcaaccatgt	tgctcgctca	tccaagggtt	360
	ggttgacctc	gacgtgcca	tttgtctttg	cactgcgctt	agggctaacg	ttcttggtat	420
40	caaccttaac	gtcccgatat	ctctcagtgt	tcttctcaac	gtttgtaaca	gaaagggtcc	480
	gtctggcttc	caatgtgctt	gaaggatatc	agctatgcat	acgatgtgat	gcccgtgcac	540
	aaatatcttc	ttcgaaattg	ttacagtatg	aataaatgca	tgtaagctat	agagtttatg	600
	ttttaaattt	tgaatttggt	aaagtgaat	aaccaatgtg	tgagagtggg	actttcttag	660
	tttttttttt	ccgtcaacgt	tcctgtattc	cggctctgtt	tgcttttgta	gcaatctatt	720
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<211> 759

<212> DNA

50 <213> Arabidopsis thaliana

<220>

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<222> (1)...(759)

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ccagcagatc aagttcttag aggtcttgag ggaagcttcg ctttcgttgt ctacgatact 180
caaacttcct ctgttttctc agctctgagt tctgatggag gagagagtct ttactgggga 240
10 atttctggag acggatctgt tgtaatgtct gatgatattc agatcataaa gcaaggctgt 300
gctaaatcgt ttgctccttt ccctaattgt aaacccaaac ttaagttttt cattagccct 360
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nnnnnnatgt atgtatcata gtgagacagg gcttaagagc tttgaccatc cgactaatat 480
gatgaaggca atgccgagga ttgatagtga aggtgttctt tgtggagcta gtttcaaagt 540
15 tgatgcttgt tctaagatca atagtatccc tagaagagga agtgaagcta actgggcgct 600
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tgatttgctt caaaaaaaaa aaaaaaaaaa aaaaaaaaaa 759

20 <210> 973
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<212> DNA
<213> Arabidopsis thaliana

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taaattgtacc gatggcgcca gaagttggat tataccttga tgaatgcttc ttcacgtctt 180
acaacaaaag gtttaaaggc agtcatgagg aggtgtcaat ggaagagtac aaggaagtag 240
30 ctgaagagtt caaatggaag tatgtttatt cacatattgg ctctgctgaa gaaaaagatg 300
gagctgtggc gatttggttg cattctctga accagagaaa ctatcctgat ctacgaagca 360
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atatccatga aggcaatgct gagctattcg ttgtcgataa ggtgaatgat gaaacctctg 480
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35 tttatctact gcggatcaca ggattaaggc ggaagcatca agcttcaccc gcagggtccaa 600
actggactag tgagccagat gaggaccatt tggacatttg tttcagtggt tctttttgag 660
ttttgtctct catgacaaaa ttttgaaac tcaagtaatg aatgtgttac cattgtgaca 720
ttttgatctt attataatgt tatcgaataa gtattggc 758

40 <210> 974
<211> 758
<212> DNA
<213> Arabidopsis thaliana

45 <400> 974
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tcgggtgaact ttgtgccatg gcttatgtgc catgtttctt ttggtttgaa tagtttccat 180
gataaaggag atgatgttgt cgatttgata gcttcttctc gtttagttgt ggattctctt 240
50 tatgtttttg ttgaataaac ggtttacaac aacaaatcaa tgatggttac gactaagaag 300
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55 tcacaaaaaa aaattctgac gtcgatggag gtcaccggaa tcgaagacgt tgacggcaaa 600
ggatgatggg gaaagttacg cagctctcat gcaacacgtg tctttgttat ctatttgctg 660

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5  gatatttgtt ttgcttgagt atatccttct ttttcttaga attgtaatcg tatgggcttt 720
   atgggccttt ttgggattgt aaaccttgaa tattaata 758

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<211> 758
10 <212> DNA
    <213> Arabidopsis thaliana

<400> 975
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   agaacacaaa ctttgaatct tgcaagaaac acaaatttga gtgacattca agattttttc 180
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   aatgtaagga tccatgttcg aagctggcct cctgtcctca aagtatcctt tcccttcttt 300
   ctccgtatca cgtcctactc ggatcgatgc tccacggttc gcaacacccc aaaggaaagt 360
20 gttgatgtca gcagtcctcg ggtgtcctgt gagacgacgc tcattgcctt caccgtaagc 420
   agcaatgtgt tctttgtgtc tcagtcctca tttatcgatt gctttcttga tgatctcgta 480
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   gtcaccggga atcgggtttc ggtcaaaaaga taccactaca ccagcaatct ctgtgatcct 600
   ctccaaaatg taacgagcga cccaaatttc atcagcagcc gagataccaa cagctggacc 660
25 gacctggaac tcccactgac ccggcatgac ttctccattg atgccactaa tgttgatccc 720
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<210> 976
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30 <212> DNA
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<220>
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35 <222> (1)...(757)
    <223> n = A,T,C or G

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   gagtaatcat catcgagtgt ttattacgat tatgtcctta acgaaatctt cagaatcagt 180
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   gattgttttc gcgagcttag ggtttttgaa aatgactggc tattcacgag aagaagtgat 360
45 cggaagaaat gggaaagttt ttcaaggacc taagactaat cgaagatcga tcatggagat 420
   tcgtgaagcg attcgtgaag agagatcagt gcaagtgagc ttgttgaatt atcgtaaann 480
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   gttgagaaat gtcagagatt tgcgtcgga tacttctccg acatttggtt cttgtcgaag 660
50 agagggttgt tttggtaatt tcgtgtgtca ggatcgagct ttaccagtgg aatgtgatga 720
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<210> 977
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<220>
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tagccatcgt gacagctgag tctgccatga caagagaatc agatatagag atatgtggcc 180
15 aatgcttttg agcagcagtc aagaccctt gcacttctgg atccatatag aaatgagcaa 240
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atcgctcagt cttcttctgc atactcacia gaacattata ccaagtgtta actctcgatc 480
20 tctctccacc caacaaacca acattaagct cagctaaatc ctgagcttcc aactccataa 540
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catctgaatc actatctgca caaacctca tcttcccatc ttgacctaac tcagcatcta 660
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40 ttgtgaacaa ggtagatatt tctggaatta cgggtgaacat aacaaccata acacggattc 240
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gctaactcgg aaaatgagac ggagcggagga acggcgagga cgcgagtgtg accaccgttg 660
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<400> 979

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20	atttttgggtg	aaagttaaaa	atgattctta	cttaattcat	tctttttattg	tttcttctac	660
	gtccttcttc	tttttatttg	taatgtcacg	gcttgataac	tattcaacac	gtaatgtcac	720
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	tgcattctaa	ggtgaagaaa	agaagaagtt	ttcgttgcat	attaatattg	cccttagctg	420
	ctaagttttt	atctggaagt	nngattgggt	tgtttaagggt	gaaaccacga	agaatcaaac	480
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	atgtcggaaa	tgctttttaga	ttactcatcc	aaacgtgtgc	tgtgttggtt	tcagctgttg	600
45	acacgtaaga	ttgggtggag	ccacaatatc	agttcttcat	ctttaagcaa	tgttcttgga	660
	ctcatttagg	acttcaaagt	ttcttgtaat	ctcagtgtat	gttgggcttt	tggtttttta	720
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5 <223> n = A,T,C or G

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	aatggtaaaa	agaaatcagg	aacttgccgc	tacttgtgcc	actgcggtta	agtcaagtaa	300
	gcatttagat	ggaagaatat	tgaccagccg	ttgagtcaag	agtgcagaca	ggtagatcct	360
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 55 aagcgatgca gaaccgtcgg ttgttaactac tggaaacagcc agtaaagaaa ctctaggatc 300
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5	gcccgggtgtc	cgcaaagatt	acgggtgaatt	caactgtgag	attgaatcag	atggaaaggt	420
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	cgagatgaat	atccggaagc	tgtgtccgcc	tggacctttc	aaactgtgct	ttaanctccc	540
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	agtcatcatc	cgacacaaaa	actcttaatt	aaaccggagg	ttcctataca	agtttnnnac	660
10	ttaggancna	tgtagatctt	ttatctttat	gttnnnggac	atagaaggaa	agcgaatcaa	720
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<210> 986

<211> 755

15 <212> DNA

<213> Arabidopsis thaliana

<400> 986

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	aactgccttg	ccaaatagtc	ctataacaac	gcgaccagcg	gatttgccgt	cgatctctac	660
30	atcgaagtaa	accttgtgag	taacctcctt	gagatcttct	tttgcttgaa	ttgaagctat	720
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<211> 755

35 <212> DNA

<213> Arabidopsis thaliana

<400> 987

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	gactcttgag	agtcttgatt	ccccattttc	catcttcact	gtatttgatg	aggatttttt	240
	ttcccttttt	agtttttttt	tttacttggt	gcagaggcat	ttttgactct	cttttttttt	300
	tccaaagaca	attaaatcat	ttaaagggtt	ttgcctctga	tgtctgatgt	ctctctgtct	360
45	catcaagtta	ctgttttttt	tattctgagt	gaaatttttac	atttttcaca	ggtgattgga	420
	accaagacaa	agatctgtat	agttatggaa	tacgtttcag	gtggctcagct	ttcagacaga	480
	cttggaagac	agaaaatgaa	agaatcagat	gctagaaaac	ttttccaaca	attgattgat	540
	gctgttgatt	attgtcataa	cagaggagtt	tatcatagag	atcttaagcc	acaaaacttg	600
	ttactagatt	caaagggtaa	tctcaaagtt	tctgactttg	gattaagtgc	agttcctaaa	660
50	gtaacaattt	ctaattttct	agtcacacaa	agcaaaaatat	ttgggtttgt	aacaatcaaa	720
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<210> 988

<211> 755

55 <212> DNA

<213> Arabidopsis thaliana

5

<400> 988

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cagagttctt	gttcgtcttg	aagatcttcc	tattgtcagt	ttagctcctt	tattgtctga	360
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gcaaaaaact	tatgggctct	taaattgtta	ttctgaagaa	atcctcagg	ggagtattgt	480
15 tgcctaaagc	agctgtgaag	tttgagagat	acctaacagg	agagattata	tctgttggtt	540
ctgaggttgg	acaacaagtt	ggacctggaa	agagggtttt	gttctctgat	gtgagcgctt	600
atgaggtcga	tttgggaacc	gatgctaggc	attgcttctg	taaagagagt	gacttggttg	660
ccttcgttga	gtgaagtctt	gtccaagagg	gagagatttg	aagattttac	aagttttctg	720
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20

<210> 989

<211> 755

<212> DNA

<213> Arabidopsis thaliana

25

<400> 989

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30 tcaactaat	cgtacgagaa	accattgtaa	atgagttaa	gtcggaccct	cgtatcgctg	240
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tgtagacaa	cacgacatca	tttcgaacag	agaaagatgc	gtttggaaac	gcaaattcgg	360
ctcggggatt	tcctgtgatt	gatagaatga	aagctgcggt	ggagagggca	tgcccaagaa	420
ccgttttcctg	cgcagatatg	ctcaccattg	cagctcaaca	atctgtcact	ttggcaggag	480
35 gtccttcttg	gaggggtcct	ttgggaagga	gagacagttt	acaagcattc	ctggaactcg	540
ctaattgcaaa	tcttccagct	ccattcttta	cacttccaca	acttaaagcc	agcttcagaa	600
atgttggtct	cgatcgctct	tctgatctcg	ttgctctctc	cgggtggtcac	acatttggtg	660
aaaatcaatg	tcagttttatt	cttgacagat	tatacaattt	cagcaacaca	ggttttaccg	720
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<211> 755

<212> DNA

<213> Arabidopsis thaliana

45

<220>

<221> misc_feature

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<223> n = A,T,C or G

50

<400> 990

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aacaggagtt	ccatcacctg	nnagtatact	gaaccagaga	ccccaactcc	attttcgta	180
55 aggtttgatg	aagggagtg	nnacgagtg	agtacaagt	cttcctctct	tcaagtgtcn	240
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5	tccctagttt	cagtgtctca	aatatacttc	cagatccagc	gtgactaata	acaagagatg	360
	cagatcgaat	ataatcagcg	atacttgagg	aaaatgtgaa	gtaatccaca	actaatgata	420
	catccgctcc	atcacactta	gttgggaaaa	agattcctcg	acccatttga	ataagaagat	480
	gagtaaatec	tctcttctgc	agttcgtctt	taacattttg	actaaccact	gctttcacaa	540
	gagcatcgaa	actcgttggt	cctacagtta	caaacactac	tctctttgca	ttctctctat	600
10	cctcctccat	ttttaaaactt	ctcgattccc	aattccaaat	ctaccaaatc	agactgagga	660
	tacaaaagca	ccgatcgatc	ttaagaggca	gatccaagaa	tcttgctttg	ggatgaatcg	720
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<210> 991

15 <211> 755

<212> DNA

<213> Arabidopsis thaliana

<400> 991

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25	ggtagatatt	ctcaaatgcg	gtataagtct	cttctctcat	cttggctcca	gttataacaa	360
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	ctggaaatag	ctcaggctcg	taacttgaga	aagcactgtg	agagtatgca	agaccttcaa	480
	gcctaattggg	gaatttgaca	tcacatgagc	ctacaatggt	ctgaatctta	aaatccttga	540
	actttgcagg	aaatccaagc	ttctgaacaa	tccgagcata	ctttcttgca	gccagctttg	600
30	aaagatgttc	acttttagct	ccggtacaca	ccattttccc	agaagcaaaa	attaacgctg	660
	tggtcttttg	ctctctgata	ctcatgatta	cagcagcgaa	acgcttgggg	ttatatccag	720
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<210> 992

35 <211> 754

<212> DNA

<213> Arabidopsis thaliana

<400> 992

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	cttctgaatg	tagtagagag	caacaatggt	catcatacca	ccagagtaag	tcctaattgcc	180
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	tttcgggtta	tcaatctcat	attcttctaa	gcaaattgga	cattcatcga	ttgcttctcg	420
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	cgggtggacta	gtttgaagat	ttatatctgt	gatggctaaa	ggaataggcg	gcgaaagagg	600
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	tatagttctt	gagctttcgg	gtatactcgg	gagacaacag	cagcaacca	ttctttggta	720
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5 <213> Arabidopsis thaliana

<220>

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10 <223> n = A,T,C or G

<400> 993

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	gtttcagata	accttcttct	tctcgaaaaa	cgtcttcaag	tgcaaaaact	gcattccctgc	300
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	ngaattagac	gtcacnnnna	cggaaatttt	gtgagtttgt	ggtaaagctt	gaccttcgtg	720
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<211> 753

<212> DNA

30 <213> Arabidopsis thaliana

<400> 994

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35	attcagaaac	ataagtgcaa	taatggactg	tgtaggctgt	gagaaatgcc	gtctatgggg	180
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<212> DNA

50 <213> Arabidopsis thaliana

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55	ggcaggatgg	cttcttggtg	tcgaaaatgt	atttacttga	agcctaagtt	ggagaaatta	180
	gcggcagaat	ataataaccg	gtaagctaac	aaaagaatca	acaatttaca	tggtatgttat	240

5 tgcaaagggtt gattatatattg tgaacaaaaa tgattttttct tacaacagag caaagtttta 300
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25 tgtttttggc ttctcgatct tgacataagg gagaactccc agaaagtatt ttacctttgg 300
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35 <210> 997
<211> 752
<212> DNA
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55 <210> 998
<211> 752

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   caagggtacg gatcaggtgg ccaagggtag ggaaccggtg gccaaggata cggaaccggg      180
   accgggactg aaggctttgg aactggcgga ggagctaggc accacggcca agagcaactc      240
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   <210> 999
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30  <212> DNA
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   acacttttta accagtgatg ttctgagact tggtgaggat aactccttca tacttgacct      240
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